

Db 75 PRRSDLDLGEPEGSAPTPPVKWAESLSLLDDQDQINLFRFLKQEDCADLLDFWFA 134
Qy 114 CNGFRQMN--LKOTKTLRVAKATYKRYI-ENNSVVSQKLPATKYIRDIKKQOQGSV 169
Db 135 CSGFRKPEPCVSNBEKRLKAKATYKRYLDNNGIVSRQIKPATKSFKDCWMLQDPPD 194
Qy 170 MFDQAQTEIOAVMEENAYQVLTSDIYLYEYRSGENTAYMS--NGGLGSLVKLVCGLYPT 227
Db 195 MFDQAQTEIOCMIEDNTYPLFKSDIYLYEYRSGENTAYMS--NGGLGSLVKLVCGLYPT 254
Qy 228 LNEEBEWC-ADLKCKLS-----PTVGLSSKTLRATASVRSSTETAE-----NGFRSFKRSD 278
Db 255 LNEEBEWCQDQTEPEASRDSAPS-SRLTKLLLETATQATSTRRYSEGREFRHGSWE 313
Qy 279 PVNPHYVSGVVPAPATANDSE--LSSDALTDSSMTDSSVDGVPYRMSKKOLOR 335
Db 314 PVNPHYVNTGYAMAPATANDSEQOQSSSDA--DTWSLTDSSIDGIPPYRL--RKHRR 368
Qy 336 EMHRSVKANGQVSLPFPTRHRLPKMTPEVPAFAAEELISRLKLESLRHSLEERL 395
Db 369 EMQESAKANGVPLPHIPRYMPKDI-HVEPEKFAEELINLRLEEVOKERAEKLEERL 427
Qy 396 QOTREDEKESQALSSRDGAPVOHPLALLPSG-----SYBE 433
Db 428 KRVRAEE--GEDADISSGVSISHK--MPSAQPFHFPAPRYSEMGCAGMQRDAHE 481
Qy 434 DPOTILDHLRLVLTGCGSPGVGRYSPRSRSDPHHHQHOOCHTLLSTGCKLPPVA 493
Db 482 NPESILDEHVQRVMTKPGCSPGGRHSPKPRSPESGH-----LGLSGTLGTIPP-- 532
Qy 494 ACPLLGKSLTKOTT-----KHVHHYIHHHVAHPKTEEBEIEAEATQVRCLCPG 543
Db 533 -----GHGKHTKSGMKLDAANLYHHKHVYHH-IHHHSMKPKKEQIEAEATQVRQNSFAW 586
Qy 544 GTDYCY-SKCKSHPK-----APEPLGCEQCGSRGGTLPRNAKGTPEPLGALSARDGMS 598
Db 587 NVDSHNYATKSRNYSNLGAPVPMDSLGYSG-KASLLSKRNTKKTDSGKS-----DGANY 641
Qy 599 SAAGGPOLGCEGDRSQDVMQMLESRQ--SKSKPHSAQSIKSYPLESARAAPGER- 654
Db 642 EMPGSP-----EDVERNOKILOWIEGEKEISRIKKTNHGSGVKQLSHDNVPLSIEP 697
Qy 655 VSRHLLGASGHSRVAR-AHPFTQDPAMPPLTPPNTLAQLEACRLAEVSK-----PQ 708
Db 698 VAVHPWV--SAQLRNVPVSHPFQDPTMPNPAPNPLTQLEEARRLREBEERAGKPL 755
Qy 709 KQCCVASQORDRHSAGAGASPPANPSLAPEDHKEPKKLASVHALQASLVVYFFC 768
Db 756 KQR--LKPKQR-----PGSGAQPCEN-----IVVAYYFC 783
Qy 769 GEBIPYRMLKAOSLTGLGHFKESQSKGNVRYFKKASDEFACGAFVEETWDDTETVLPY 828
Db 784 GEPFPTLVKRVVTLGQFKELLTKGNRYRYFKKVSDFDCGVFEVREDTDLPIF 843
Qy 829 EGRILGKVERID 840
Db 844 EEKIIGKVERID 855

RESULT 2

US-08-890-865A-1
; Sequence 1, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York

STATE: New York
COUNTRY: US
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,865A
FILING DATE: 10-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/54249
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 992 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-08-890-865A-1

Query Match 37.2%; Score 1655; DB 2; Length 992;

Best Local Similarity 42.7%; Pred. No. 1e-139;
Matches 390; Conservative 133; Mismatches 246; Indels 144; Gaps 30;

Qy 12 DPSSSFEDAPRPVPGEGE-----TPPCPSV--GKVOSTKPMVSSNARNEDGLG- 63
Db 140 DCASTFEDAPRPVPGEGELVSTDSRPVNHFCSGKGTISKETSTATPRSDLDLGY 199
Qy 64 EPGRASPOSPLRTWTKSLHSLGDDQAYLFTFLERKCVDTLDFWFCNCFRQNNLK 123
Db 200 EPESGASPTPYLRWAESLSLLDDQDQISLFTFLKQEGCADLLDFWFCNCFRLEPC 259
Qy 124 DT---KTLRVAKATYKRYI-ENNSVVSQKLPATKYIRDIKKQOQGSVMDQAOTEIO 179
Db 260 DSNEERLLARAIYRYILDSNGIVSRQTKPATKSFKDCVMKQQLDPAWFOQAOTEIO 319
Qy 180 AVMEENAYQVLTSDIYLYEYRSGENTAYMS--NGGLGSLVKLVCGLYPTLNBEETWC- 236
Db 320 STMEENTYFSLASDIYLYEYRSGESPKVCSQSSGSGTGKMSGYLPTLNDEDEWKCD 379
Qy 237 -----ADLKCKLSPTVVGLSSKTL-----RATASVRSSTETAEGRFSFKRSDPVNPHY 285
Db 380 QDADEDDGRDPLPPS--RLTKLLLETAAAPRAPSSRRYREGRELRYGSMR--BPVNPYYV 435
Qy 286 GSGYVAPATANDSE--LSSDALTDSSMTDSSVDGVPYRMSKKOLORHRSVK 342
Db 436 NSGYALAPATANDSEQOQSSSDA--DTLSLTDSSVDGIPPYRI--RKHRRMEQESI 490
Qy 343 ANGOVSLPFPTRHRLPKMTPEVPAFAAEELISRLKLESLRHSLEERLQOQREDE 402
Db 491 VNGRVPLPHIPRYMPKDI-HVEPEKFAEELIHRLEAVQRTREAEKLEERLKRVRME 549
Qy 403 EXEGSEQALSSRDGAPVOHPLALLPS-----GSEEDPQTLDDHLRS 445
Db 550 EGEDGEMP-----SGPMASHKLPSPVAMHHPPRYVDMGCSGLDAHAENPESTLDEHVQ 605
Qy 446 VLKTPCGSPGVGRYSPRSRSDPHHHQHOOCHTLLSTGCKLPPVAACPLAG----- 500
Db 606 VMRTPGCQSPG-----PGHRSQPSGH-----VAKTVLGGTASGH 640
Qy 501 -----KSFLTQOTT-----KHVHHYIHHHVAHPKTEEBEIEAEATQVRCLCPGCTDYCY 550
Db 641 GKHPVKLGLKDTAGLHHHRVHHH-VHNSA-RPKQMEAEVARRVQSSFSFGPETHGH 698
Qy 551 SKCKSHPK-APEPL-PGEQFCGSRGGTLPRNAKGTPEPLGALSARDGMSAAGGPOLPG 608

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? FILING DATE: 10-JUL-1997
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: White, John P
? REGISTRATION NUMBER: 28,678
? REFERENCE/DOCKET NUMBER: 0575/54249
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (212)278-0400
? TELEFAX: (212)391-0526
? INFORMATION FOR SEQ ID NO: 10:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 855 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: Protein
? US-08-890-865A-10
?
? Query Match          39.1%; Score 1736; DB 2; Length 855;
? Best Local Similarity 44.5%; Pred.No 4e-147;
? Matches 406; Conservative 128; Mismatches 214; Indels 164; Gaps 35;
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? QY      12 DPSSFRDADAPPPVGEGETPPCQPSVGKVKQSTKPMPVS-----SNARNEDG---- 61
?         | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
? Db       25 DLGRSFTEDAPPPVGEGE-----LVSTDPRPVSHGFYSKSDAVRNETSTAT 74
?
? QY      62 -----LG-EPEGRASPDSPTRWTKSIHLSLGGQQDGAYLFRTFLERKCVDTLDWFNA 113

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Db 699 AKRPSYSENACTTSLAGDLPFGGKTSAFSPKNTKKAESGKNANA-----EYPS 746
Qy 609 --EEDRSQDQVQWMLSERO---SKSPHSAQSIKRSYPLESARAAPGERVSRHLLGA 663
Db 747 TTEDAKNQKTMQWIEGEKISHRKACHGSSGLRQQAHESSRPLSIEPAGVHPWS 806
Qy 664 SGHRSVARAHPTQDPPAMPPLTPNTLAQLEEAACRRRLAEVSK-----POKORCCVASQ 718
Db 807 AQLRNSVQPSHLFIQDPTMPNPAPNPLTQLEEARRLLEEEKRAKPLPSKORYVQAVMQ 866
Qy 719 RDRNHSAGAGAGASPFANP-----SLAPEDHKEPKKLASVHALQASELVVTF 767
Db 867 R-----GRTCVRPACAPVLVSVPAVSDLSLSESTETSKORAGGGSAPPDCDSIVWGYF 919
Qy 768 CGEIPYRMLKAQSLTLGHFKEOLSKGNRYFYFKASDEFACGAVPEEIDWDETLP 827
Db 920 CGEIPYRMLVGRVAVTLGQKELLTKGSTRYFYFKVSDFCGCVFEEVREDEPVL 979
Qy 828 YEGRLGKVERID 840
Db 980 FEEKIIGKVKVD 992

RESULT 3

US-08-890-865A-4
; Sequence 4, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 900 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-890-865A-4

Query Match 36.1%; Score 1605; DB 2; Length 900;
Best Local Similarity 41.2%; Pred. No. 2.9e-135;
Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;
Qy 12 DPSSSFEDAPRPVPVQEGETPPCQPSGVKQVOSTKEMPVS-----SN 54
Db 48 DLGASFTEDAPRPVPVQEGE-----LVSTDRPASYSFCSGKGVIGKETSTAT 97

Qy 55 ARNEDGLG-EPEGRASPDSPLTRWTKSLHSLLDGQDQGAYLFRFTLEREKCVDTLDFWPA 113
Db 98 PRSDLDLGYEPGEGSASPTPYLKWAEBSLHLLDDQDGLSIFRTFLKQEGCADLLDFWPA 157
Qy 114 CNGEROMLKD---KTLRVAKAIYKRYI--ENNSVVSQKLPKATYITRDGKIKQOIGSV 169
Db 158 CTGRFKLEPCDSNEKRLKLARAIYKRYILDNNGIVSRQTKPATSFKGICMILQIDPA 217
Qy 170 MFOAQOETIOAVMEENAYQVFLTSDIYLEYVRSRGENTAYMS--NGGLGSLKVLGCGYLP 227
Db 218 MFOAQOETIOATMEENTYPSFLKSDIYLEYTRTGSSEPKVCSQSSGSGTGKIGSYLPT 277
Qy 228 LNEEETWC-----ADLCKLSPVTVGLSSKTLRATASVRSSTETETAEGRSPRKR 276
Db 278 LNEDEEWCQDQMDDEDGRDAAPPCL--PQKLLETAAPRVSSRRRYSEGREFFYGSWR- 335
Qy 277 SDPNVPYHVGSGYVPAPATSANDSE---LSSDALTDSDMSMTDSSVDGVPYVRMGSKOL 333
Db 336 -EPNPPYVNAVAGALAPATSANDSEQOSSLSDA---DTLSLTDSSVDGIPPIYRI--RKH 389
Qy 334 QREHRSVKANGOVSLPHFPRTHRLPKEMTPVEPAAFAAEELISLEKLELESRHSLEE 393
Db 390 RREMOESAQVNGRVPLPHIPRTYVPKEVR-VEPQFAEELIHLREAVQRTREAEKLEE 448
Qy 394 RLQIREDKEKSGEQALSRRDQAPVQ-----HPLALLPS-----G 429
Db 449 RLKRVMEEGE-----DGDPSGPGCPGCKLPPAPAWHHFPPRLCWTMACAGLRD 499
Qy 430 SYBEDPOTILDDHLRSVLKTPGOSPGVGRVSRSPDHQHQQHQQHQQCHTLLSTGCKL 489
Db 500 AHEENPESILDEHVQVRVLTGTGROSG-----PGHRSPPDSGHV-----AKM 540
Qy 490 PPVAAACPLGCKSFLTKQTTK-----HVHHYIHHHVAVPKTEEIEAEATQVRVC 539
Db 541 PVALGGAASGHGKIVPKSGAKLDAAGLHHRHVVHV--HHSTARPKQEVEAEATRAQS 598
Qy 540 LCPGTDYCYVK-----CKSHPKAPEPLQEGCGSRGGTLPKRNAGTGFGLALSARD 594
Db 599 SFAMGLEPHSGHARSRGYSESVAAPNASDGLAHSG-KVGVACKRNAAKSAESKASST-- 655
Qy 595 GGMSSAAGGPQLPG--EEDRSQDQVQWMLSERO---SKSPHSAQSIKRSYPLESARA 649
Db 656 -----EVPQASEDAEKQKIMOWIEGEKEISHRRTGHGSSGSTRPQPHENSRRP 705
Qy 650 AGERVSRHLLGASGHSRVARAHPTQDPPAMPPLTPNTLAQLEEAACRRRLAEVSK--- 706
Db 706 ----LSLEHPWAGPQLRTSVQPSHLFIQDPTMPHPAPNPLTQLEEARRLLEEEKRA 760
Qy 707 --POKQCCVASQORDNRHNSAAGAGASPFANP-----SLAPEDHKEPKKLASV 753
Db 761 RAPSQRVQEVMMR-----GRACVVPACAPVLHVVPVAVSDMELSETETRSQKVG 813
Qy 754 HALQASELVVTFPCGEEIPYRMLKAQSLTLGHFKEOLSKGNRYFYFKASDEFPACGA 813
Db 814 SAOPCDSIVVAYYFCGEPITRTLVGRVAVTLGQKELLTKGSTRYFYFKVSDFCGCV 873
Qy 814 VFEEIWDDETLPVMEGRILGKVERID 840
Db 874 VFEEVREDAVLPVFEKIIIGKVKVD 900

RESULT 4

US-08-890-865A-19
; Sequence 19, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas

```

; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 127 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-19

Query Match 9.3%; Score 412; DB 2; Length 127;
Best Local Similarity 62.2%; Pred. No. 4.4e-29;
Matches 79; Conservative 21; Mismatches 23; Indels 4; Gaps 2;

QY 77 RWTSLHSLGDDGAYLFRFTFLEREKCVDTLDFWACNGFR-----QMLKDTKTLRVAKAIYK 133
DB 1 RWAESLHSLDDQDGLSIFRTFLKEGECADLLDFWACSGFKLEPCDSNEEKLKJARA 60

QY 134 IYKRYI-ENNSVSVSKQLKPATKYIRDGKIKQOIGSVMFDOAQTEIQAVMEENAYQVFLT 192
DB 61 IYRKILDSNGIVSRQTPATKSFKDCVMKQIDPAMFDQAQTEIQSTMBENTYPSFLK 120

QY 193 SDIYLEY 199
DB 121 SDIYLEY 127

RESULT 5
US-09-244-314-2
; Sequence 2, Application US/09244314
; Patent No. 6274362
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Yowe, David
; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
; FILE REFERENCE: 5800-19, 035800/174680
; CURRENT APPLICATION NUMBER: US/09/244,314
; CURRENT FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-244-314-2

Query Match 4.7%; Score 208; DB 2; Length 235;
Best Local Similarity 30.8%; Pred. No. 3.1e-10;
Matches 56; Conservative 34; Mismatches 58; Indels 34; Gaps 6;

QY 41 GKVOSTKMPVSSNARRN-----ED-----GLGEPEGCRASPDSPLTWTKSL 82
DB 29 GKEETSKAKIRAKEKRNRLSLLVQKPEFHEDTRSSRSGHLAKETRVSPPEAV-KWGSEF 87

QY 83 HSLGDDGAYLFRFTFLEREKCVDTLDFWACNGFR-----QMLKDTKTLRVAKAIYK 136
DB 88 DKLLSHRDGLAFTFLKTEFSEENIEFWIACEDFKSKGPOQIHLK-----AKAIYE 140

QY 137 RYIENNSVSVSKQLKPATKYIRDGKIKQOIGSVMFDOAQTEIQAVMEENAYQVFLTSDIY 196
DB 141 KPIQTDAPKEVNLDPHTKEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFLKSDIY 198

QY 197 LE 198
DB 199 LD 200

RESULT 6
US-09-498-959-2
; Sequence 2, Application US/09498959
; Patent No. 6410240
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Yowe, David
; TITLE OF INVENTION: RGS-Containing Molecules and Uses
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 5800-19A
; CURRENT APPLICATION NUMBER: US/09/498,959
; CURRENT FILING DATE: 2000-02-04
; EARLIER APPLICATION NUMBER: 09/244,314
; EARLIER FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-498-959-2

Query Match 4.7%; Score 208; DB 2; Length 235;
Best Local Similarity 30.8%; Pred. No. 3.1e-10;
Matches 56; Conservative 34; Mismatches 58; Indels 34; Gaps 6;

QY 41 GKVOSTKMPVSSNARRN-----ED-----GLGEPEGCRASPDSPLTWTKSL 82
DB 29 GKEETSKAKIRAKEKRNRLSLLVQKPEFHEDTRSSRSGHLAKETRVSPPEAV-KWGSEF 87

QY 83 HSLGDDGAYLFRFTFLEREKCVDTLDFWACNGFR-----QMLKDTKTLRVAKAIYK 136
DB 88 DKLLSHRDGLAFTFLKTEFSEENIEFWIACEDFKSKGPOQIHLK-----AKAIYE 140

QY 137 RYIENNSVSVSKQLKPATKYIRDGKIKQOIGSVMFDOAQTEIQAVMEENAYQVFLTSDIY 196
DB 141 KPIQTDAPKEVNLDPHTKEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFLKSDIY 198

QY 197 LE 198
DB 199 LD 200

RESULT 7
US-09-894-749-2
; Sequence 2, Application US/09894749
; Patent No. 6830914
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Yowe, David
; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
; FILE REFERENCE: 5800-19, 035800/174680
; CURRENT APPLICATION NUMBER: US/09/894,749
; CURRENT FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/244,314
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 235
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; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9918
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9918

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```

Query Match          4.3%; Score 189.5; DB 2; Length 520;
Best Local Similarity 32.0%; Pred. No. 5.3e-08;
Matches 49; Conservative 26; Mismatches 67; Indels 11; Gaps 4;

QY 56 RNEDGLGEPEGRA-----SPDS-PLTRWTKSLHSLGDDGAYLFRTELEKCVDT 107
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 108 LDFWFACNGFQWNLKDTLRLVAKAIYKRYIENNVSVSKQLKPKATKYIRDGKKQOIG 167
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 422 LEFWLACEDFKVK-SQSKASKAKKIFAEYIAIQACKEVNLDSTYREHTKDNL--QSVT 478
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 168 SVMFDOAQTEIOAVMEENAYQVFLTSDIYLEYV 200
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 479 RGCEDLAQKRIFGLEKDSYPRFLRSDLYLDLI 511
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 15
US-10-113-794A-1
; Sequence 1, Application US/10113794A
; Patent No. 6919313
; GENERAL INFORMATION:
; APPLICANT: Flanagan et al.
; TITLE OF INVENTION: B EPHRIN REGULATION OF G-PROTEIN COUPLED
; FILE OF INVENTION: CHEMOATTRACTION
; FILE REFERENCE: 2535/106
; CURRENT APPLICATION NUMBER: US/10/113,794A
; CURRENT FILING DATE: 2002-04-01
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 930
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-113-794A-1

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Query Match          4.0%; Score 180; DB 2; Length 930;
Best Local Similarity 28.2%; Pred. No. 1e-06;
Matches 48; Conservative 31; Mismatches 67; Indels 24; Gaps 4;

QY 32 ETTPCQPSVGKVGSTKPM-EVSSNARNEDGLGEPEGRASPSPLTRWTKSLHSLGDDQ 90
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 91 GAYLFRTELEKCVDTLDFWACNGFQWNLKDTLRLVAKAIYKRYIENNVSVSKQLK 150
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 815 GLEVFOAFLRTEFSEENLEFWLACEDFKVK-SQSKAAKAKKIFAEYIAIQACKEVNLD 873
QY 151 PATKYIRDGKKQOIGSVMFDOAQTEIOAVMEENAYQVFLTSDIYLEYV 200
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 874 SYTREHTKENL--QSTTRGCFDLAQKRIFGLEKDSYPRFLRSDLYLDLI 921
Db   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Search completed: April 20, 2006, 15:32:28
Job time : 71.1847 secs

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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 291.821 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-1
Perfect score: 4445
Sequence: 1 MSSAVLVTLLPDPSSSFRED.....DETVLPMYGRILGKVERID 840

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pcp.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pcp.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pcp.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pcp.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pcp.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4027.5	90.6	843	5	US-10-723-860-1797
2	4027.5	90.6	843	5	US-10-751-736-116
3	1654.5	37.2	842	3	US-09-798-831-8
4	1619.5	36.4	862	4	US-10-786-720-35
5	1617	36.4	912	4	US-10-092-900A-270
6	1615.5	36.3	347	4	US-10-264-049-2846
7	1612.5	36.3	826	4	US-10-786-720-36
8	1605	36.1	900	4	US-10-374-979-91
9	1605	36.1	900	4	US-10-182-936A-91
10	1605	36.1	900	5	US-10-477-238A-670
11	1605	36.1	900	5	US-10-680-287A-670
12	1605	36.1	900	5	US-10-477-173-670
13	860	19.3	461	4	US-10-786-720-34
14	733	16.5	155	4	US-10-106-698-5828
15	457.5	10.3	745	6	US-11-097-143-3015
16	208	4.7	227	3	US-09-867-550-848
17	208	4.7	235	3	US-09-894-749-2
18	208	4.7	235	4	US-10-258-371B-20
19	208	4.7	235	5	US-10-989-054-2
20	198.5	4.5	916	5	US-10-899-422-13
21	198.5	4.5	1059	5	US-10-899-422-11
22	194	4.4	776	4	US-10-087-192-1728
23	193	4.3	235	3	US-09-894-749-4
24	193	4.3	235	5	US-10-989-054-4
25	190.5	4.3	284	4	US-10-094-749-1650
26	189.5	4.3	519	4	US-10-113-794A-2
27	189.5	4.3	519	4	US-10-428-487-14

28	189.5	4.3	519	4	US-10-258-371B-28	Sequence 28, Appl
29	189.5	4.3	591	4	US-10-108-260A-3970	Sequence 3970, Ap
30	189.5	4.3	917	5	US-10-487-092-15	Sequence 15, Appl
31	184.5	4.2	119	4	US-10-087-684-107	Sequence 107, App
32	184.5	4.2	119	4	US-10-218-779-107	Sequence 107, App
33	180	4.1	923	4	US-10-114-270-152	Sequence 152, App
34	180	4.0	930	4	US-10-113-794A-1	Sequence 1, Appli
35	175.5	3.9	1175	6	US-11-097-143-10101	Sequence 10101, A
36	174.5	3.9	566	5	US-10-473-127-385	Sequence 385, App
37	172.5	3.9	211	3	US-09-206-639-4	Sequence 4, Appli
38	172.5	3.9	211	4	US-10-258-371B-24	Sequence 24, Appl
39	172.5	3.9	211	4	US-10-408-765A-493	Sequence 493, App
40	172.5	3.9	220	3	US-09-925-300-1507	Sequence 1507, Ap
41	168	3.8	207	3	US-09-925-297-812	Sequence 812, App
42	168	3.8	487	5	US-10-473-127-387	Sequence 387, App
43	167	3.8	167	4	US-10-258-371B-26	Sequence 26, Appl
44	166	3.7	196	3	US-09-206-639-3	Sequence 3, Appli
45	166	3.7	196	3	US-09-736-457-339	Sequence 339, App

ALIGNMENTS

RESULT 1
US-10-723-860-1797
; Sequence 1797, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Nataasha
; APPLICANT: Ginebnik, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1797
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-1797

Query Match	90.6%	Score	4027.5	DB 5	Length	843			
Best Local Similarity	89.7%	Pred. No.	1.1e-276						
Matches	758	Conservative	31	Mismatches	49	Indels	7	Gaps	3
Qy	1	MSSAVLVTLLPDPSSSFREDAPRPVPEGEETPPCQPSVGKQVSTKPMVSSNARNED	60						
Db	1	MSSAVLVTCLPDPSSSFREDAPRPVPEGEETPPCQPGVGKQVTKPMVSSNTRKED	60						
Qy	61	GLGPEGRASPDSPLTRWTKSLHSLGDDQAYLFRTELEKEKCVDTLDFWACNGFRQM	120						
Db	61	GLGPEPSGRASPDSPLTRWTKSLHSLGDDQAYLFRTELEKEKCVDTLDFWACNGFRQM	120						
Qy	121	NLKDTKTLRVAKAIYKRYIENNVSVVSKOLKPAATKYIRDKIKQOIGSVWPFDAQETOIA	180						
Db	121	NLKDTKTLRVAKAIYKRYIENNVSVVSKOLKPAATKYIRDKIKQOIGDSIMFDAQETOIS	180						
Qy	181	VMEENAYQVFLTSDIYLEYVRSRGENTAYMSNGGLSKLVLCGYLPTLNEEEBWTCA	240						
Db	181	VMEENAYQVFLTSDIYLEYVRSRGENTAYMSNGGLSKLVKVCGYLPTLNEEEBWTCA	240						
Qy	241	CKLSPTVVGLSKTLRATASVRSSTETATENGPRSPKRSPPVNPYHVGSGYVFPAT	300						
Db	241	CKLSPTVVGLSKTLRATASVRSSTETVDSYRSFKRSPPVNPYHIGSGYVFPAT	300						
Qy	301	ELSSDALTDSDMSMTDSSVDGVPYRMGSKQLOREHRSVKANGOVSLPHFPRTHRLPK	360						
Db	301	EYSSDALTDSDMSMTDSSVDGIPPYRVGSKQLOREHRSVKANGOVSLPHFPRTHRLPK	360						

QY 361 EMTVPFAAFAELISRLKLELESRHSLEERLQOIREDDEKSGSEALSSRDGAPVQ 420
DB 361 EMTVPFAAFAELISRLKLELESRHSLEERLQOIREDDEKSGSEALSSRDGAPVQ 420
QY 421 HPLALLPSGSEEDPQTILDDHLSRVLTGPGQSPGVGRYSRSPRSDPHHHQHQQCH 480
DB 421 HPLALLPSGSEEDPQTILDDHLSRVLTGPGQSPGVGRYSRSPRSDPHHHQHQQCH 480
QY 481 TLLSTGGKLPVPA-----ACPLLGKSGFLTKQTTKHVHHHYIHHHVPKTKIEIEAEATOR 536
DB 479 SLLPPGGKLPVPAASPGACPLLGKGFVTQTTKHVHHHYIHHHVPKTKIEIEAEATOR 538
QY 537 VRCLCPGTDYCYCKSHKAPPLPGEQPCGSGGTLPKRNAGKTEPGLALPAREGG 596
DB 539 VHCFCPGSEYCYCKSHKAPETMPSEQPGSGSTLPKRNAGKTEPGLALPAREGG 598
QY 597 MSSAAGGQPLPGEEDRSDQVQWMLSESRQSKPHSAQSIKSYPLESARAAAPGVRS 656
DB 599 APGGAGALQPLPGEEDRSDQVQWMLSESRQSKPHSAQSIKSYPLESARAAAPGVRS 658
QY 657 RHLLIGA-SGHSRSVARAHPFTQDPAMPPLTPPNTLAQLEACRLAEVSKPKQKCCVA 715
DB 659 RHLLWGNSGHPRTTTTPRAHLEFTQDPAMPPLTPPNTLAQLEACRLAEVSKPKQKCCVA 718
QY 716 SOORDRNHSAQACASFPANPSLAPEDHKEPKKLASVHALQASSELVVTYFFCGEIEPYR 775
DB 719 SOORDRNHSAQACASFPANPSLAPEDHKEPKKLASVHALQASSELVVTYFFCGEIEPYR 778
QY 776 RMLKAQSLTLGHFKELQSKKGNRYRYFKKASDEFACGAVFEIWDDETLPVMEGRILGK 835
DB 779 RMLKAQSLTLGHFKELQSKKGNRYRYFKKASDEFACGAVFEIWDDETLPVMEGRILGK 838
QY 836 VERID 840
DB 839 VERID 843

RESULT 2
US-10-751-736-116
; Sequence 116, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 116
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-751-736-116

Query Match 90.6%; Score 4027.5; DB 5; Length 843;
Best Local Similarity 89.7%; Pred. No. 1.1e-276;
Matches 758; Conservative 31; Mismatches 49; Indels 7; Gaps 3;
QY 1 MSSAVLVTLLPDPSSSFREDAPRPVPGEGTTPCQSPGVKQVQSTKMPVSSNARNED 60
DB 1 MSSAVLVTCLPDPSSSFREDAPRPVPGEGTTPCQSPGVKQVQSTKMPVSSNARNED 60
QY 61 GLGEPEGRASPSPLTRWTWTKLSHLLGDQDQGYLFRFLERKCVDTLDFWACNGFROM 120
DB 61 GLGEPEGRASPSPLTRWTWTKLSHLLGDQDQGYLFRFLERKCVDTLDFWACNGFROM 120

QY 121 NLKDTKTLRVAKAIYKRYIENNVSVSKQKLPATKTYIRDGIKKQOIGSVMPDQAQTEIOA 180
DB 121 NLKDTKTLRVAKAIYKRYIENNVSVSKQKLPATKTYIRDGIKKQOIGSVMPDQAQTEIOA 180
QY 181 VMEENAYOVFLTSIYLYEYVSGGENTAYMNGGLGSLKVLGCLYPTLNEEBEWTCADLK 240
DB 181 VMEENAYOVFLTSIYLYEYVSGGENTAYMNGGLGSLKVLGCLYPTLNEEBEWTCADLK 240
QY 241 CKLSPTVVGLSGSKTLRATASVRSSTETAEGRSPKRSVPVNPYHVGVGVVAPAPATASANDS 300
DB 241 CKLSPTVVGLSGSKTLRATASVRSSTETAEGRSPKRSVPVNPYHVGVGVVAPAPATASANDS 300
QY 301 ELSDALTDSSMTDSSVDGVPYRMGSKKQLOREHRSVKANQVQSLPPTPRTHLRPLK 360
DB 301 ELSDALTDSSMTDSSVDGVPYRMGSKKQLOREHRSVKANQVQSLPPTPRTHLRPLK 360
QY 361 EMTVPFAAFAELISRLKLELESRHSLEERLQOIREDDEKSGSEALSSRDGAPVQ 420
DB 361 EMTVPFAAFAELISRLKLELESRHSLEERLQOIREDDEKSGSEALSSRDGAPVQ 420
QY 421 HPLALLPSGSEEDPQTILDDHLSRVLTGPGQSPGVGRYSRSPRSDPHHHQHQQCH 480
DB 421 HPLALLPSGSEEDPQTILDDHLSRVLTGPGQSPGVGRYSRSPRSDPHHHQHQQCH 480
QY 481 TLLSTGGKLPVPA-----ACPLLGKSGFLTKQTTKHVHHHYIHHHVPKTKIEIEAEATOR 536
DB 479 SLLPPGGKLPVPAASPGACPLLGKGFVTQTTKHVHHHYIHHHVPKTKIEIEAEATOR 538
QY 537 VRCLCPGTDYCYCKSHKAPPLPGEQPCGSGGTLPKRNAGKTEPGLALPAREGG 596
DB 539 VHCFCPGSEYCYCKSHKAPETMPSEQPGSGSTLPKRNAGKTEPGLALPAREGG 598
QY 597 MSSAAGGQPLPGEEDRSDQVQWMLSESRQSKPHSAQSIKSYPLESARAAAPGVRS 656
DB 599 APGGAGALQPLPGEEDRSDQVQWMLSESRQSKPHSAQSIKSYPLESARAAAPGVRS 658
QY 657 RHLLIGA-SGHSRSVARAHPFTQDPAMPPLTPPNTLAQLEACRLAEVSKPKQKCCVA 715
DB 659 RHLLWGNSGHPRTTTTPRAHLEFTQDPAMPPLTPPNTLAQLEACRLAEVSKPKQKCCVA 718
QY 716 SOORDRNHSAQACASFPANPSLAPEDHKEPKKLASVHALQASSELVVTYFFCGEIEPYR 775
DB 719 SOORDRNHSAQACASFPANPSLAPEDHKEPKKLASVHALQASSELVVTYFFCGEIEPYR 778
QY 776 RMLKAQSLTLGHFKELQSKKGNRYRYFKKASDEFACGAVFEIWDDETLPVMEGRILGK 835
DB 779 RMLKAQSLTLGHFKELQSKKGNRYRYFKKASDEFACGAVFEIWDDETLPVMEGRILGK 838
QY 836 VERID 840
DB 839 VERID 843

RESULT 3
US-09-798-831-8
; Sequence 8, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; PRIOR FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 842
; TYPE: PRT

; ORGANISM: *Xenopus laevis*
US-09-798-831-8

Query Match	37.2%	Score 1654.5	DB 3	Length 842
Best Local Similarity	42.5%	Pred. No. 2.8e-108		
Matches 385	Conservative 125	Mismatches 246	Indels 149	Gaps 28
QY	12	DPSSRRDAPRPVPGEEG--TTPCQPSGVQSTKMPV-----SSNARRNEDGLG- 63		
DB	11	DLGSGFTDAPRPVPGEEGLITDQRPSTHTYSLKNDGIKNETSTATPRPDLDGY 70		
QY	64	EPEGRASPDPLTRWTKSLHSLLDQDGAYLFRTFLEREKCVDTLDFWACNGRQMNLK 123		
DB	71	EPEGSASPTPYLKAESLSHLLDQDQIHLFRTFLOQENCADLLDFWACSGFRKLEPN 130		
QY	124	DTKT--LRVAKAIYKRYI--ENNSVSKQLKPKATKTVIRDIGIKQQTGVSVMFOAQTEIQ 179		
DB	131	DSKVERKLKAKAIYKYVLDNSGIVSRQIKPATKSFIDCVLRQQIQDPAMFDOAQMEIQ 190		
QY	180	AVMEENAYQVFLTSDIYLEVRSGGENTAYMS--NGGLGSLKVLGCLYPLTLINEEETWC- 233		
DB	191	SMMEDNTYVFLKSDIYLEYTTIGESPKNYDQSSGSGTGKGPSGYPLTLINEDEEWRCD 250		
QY	237	-----ADLKC---KLSPVTYVGLSSKTLRATASVRSTETAENGSPSRFKRDPVPNRYHVS 287		
DB	251	QGGHEHERECIPSSLFSQKALDSSSHCAGNRLSDGRE--PRPCTWREPVPNYVNT 308		
QY	288	GYVPAPATSSANDSE---LSSDALTDDSMSTMDSVDGVPYRMGSKKQLOREMHRSVKAN 344		
DB	309	GYAGAPVTSANDSEQQSSMSDA---DTMSLTDDSSVDGIPPYRL--RCHYREMQESANAN 363		
QY	345	GOVSLPHFPTRHLPKEMTPVEPAAFAAEALISLEKLKLESHRSLEERLQQIREDDEEK 404		
DB	364	GRGLPHIPRTYHMPKDI--HVDEKFAEALISRLGVLRDREABQKLEERLKRVARBEE-- 420		
QY	405	EGSEQALSSRDGAPVOHPLALLPSG-----SYBEDPQTILDDH 442		
DB	421	EGDGDGVSSGPSV-ISHK--LSPGPPMHFNPSRYSETGCVGMQIRDAHEENPESILDEH 476		
QY	443	LSRVLTGPGCQSGVGRYSPRSRSPDUHQ-----HHHHQOCHTLLSTGGKL 489		
DB	477	VQRVMKTPGCQSPGTGRHSPKSRSPDGLHSKTLPGSLTMTQGTGHKHSKSTAKVDSGNL 536		
QY	490	PPVAAPELLGKGFLLTKQTTKVHHVYIHHHVPKTKKEEAEATQAVRCLCGGTDYYC 549		
DB	537	-----HHHKVYIHH--VHHHGGVKPKEQIDGESTQKQVTFNFWNVESHN 578		
QY	550	YSK-----CKSHPKAPEPLPGEQFCGSRGCTLPRNAKGTPEGLALSARDGGMSSAAGGP 604		
DB	579	YATKSRNYAESMGWAPNPMDSLAYSQ-KVSMLSKRNAAKADLGKSESA-----SHEMP 630		
QY	605	QLPGESEGRSQDVQWQWMLSERO---SKSPHSAQSIKRSYPILESAPAAACGERSVRHLL 661		
DB	631	VVP-EDSERHQKTLQWIMEGEKEIIIRHKNSNHSSSSAKQOPPTELARPLSIEIPGAVHPW 689		
QY	662	GASGHSRSVARAPHFTQDPAMPPLTPNPTLAQL--EEACRELAESVK-----PQORCCVA 715		
DB	690	VSAQLRNVVQPSHFFIQDPTMPNPANPNPLTQLVSKPGARLEEBEKKAAKMPQQRU--- 746		
QY	716	SQORDRNHSAAGQAGASPFANPSLAPEDHKPKKLASVHALQASLELVVYFFGCEETPYR 775		
DB	747	-----KPKQKNVSAPSQPCDNIVVAYYFCGERIPYR 777		
QY	776	RMLKAQSLTLGHKPEQLSKGNRYYPFKKASDPAFCAPFEETIWDDETULPMTEGRILGK 835		
DB	778	TMVKGAWTLGQKELLTKGNRYYPFKKVSDFDGVVPEEVRREDMILPIYEEKIIG 837		

US-10-786-720-35
; Sequence 35, Application US/10786720
; Publication No. US20040191818A1

1. SEQUENCE INFORMATION. ,
 2. APPLICANT: Wyeth
 3. APPLICANT: O'Toole, Margot
 4. APPLICANT: Liu, Wei
 5. APPLICANT: Liu, Wei
 6. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
 7. DISEASES
 8. TITLE OF INVENTION: DISEASES
 9. FILE REFERENCE: 031896-023000 (AM101331L)
 10. CURRENT APPLICATION NUMBER: US/101786,720
 11. CURRENT FILING DATE: 2004-02-26
 12. NUMBER OF SEQ ID NOS: 21135
 13. SOFTWARE: PatentIn version 3.2
 14. SEQ ID NO 35
 15. LENGTH: 862
 16. TYPE: PRT
 17. ORGANISM: Homo sapiens
 18. US-10-786-720-35

Query Match	36.4%;	Score. 1619.5;	DB 4;	Length 862;
Best Local Similarity	41.9%;	Pred. No. 8.9e-106;		
Matches 385;	Conservative 127;	Mismatches 251;	Indels 155;	Gaps 30;

Qy	12	DPSSSFEDAPRPVPCGEGETPPCQPSVKVQSTKMPVSV-----SN 54
Db	11	DLGASFTEDAPRPVPCGEGE-----LVSTDRPASYSFCSGKVGIGKETST 60
Qy	55	ARNEDCLG-EPGRASPDSPLRTWTKSLHSLGDDQDGYLPRFLREKCVDTLDWFWA 113
Db	61	PRSSDLDGYEPGSGASPTPPYLKWAESLHSLDDQDGISLFRFLKQGGCADLWFWA 120
Qy	114	CNGFQWNLKXT---KTLRVAKAITYKRYI--ENNSVVSQKLKPAKTYIRDIGKQOIGSV 169
Db	121	CTGFRKLEPCDSNEEKFLARALYRKYILDNNGIVSRQTKPATKFSIKGCIMKQLIDPA 180
Qy	170	MFQQAOTEOAVMEENAYQVFLTSDIYLEVYVRSGGENTAYMS--NGGLSLKVLUCGYLPT 227
Db	181	MFQQAOTEOIQTMEENTYPSFLKSDIYLEYTRTGSESPKVCSDQSSGSGTKGISGYLPT 240
Qy	228	LNSEEWTC-----ADLKCKLSPVTVGLSSKTLRATASVRSTETAENGFRSPKR 276
Db	241	LNDEDEWKCQDQDDEDDGRDAAPGRL-POKLULETAAPRVSSRRRYSGREFRYGSWR- 298
Qy	277	SDPVNPHYVSGSVFAPATSSANDSE---LSSDALTDMSMTDSSVDGVPPYRMGSKKQL 333
Db	299	EPVNPYYNAGYALAPATSSANDSEBQOSSLSDA--DTLSLTDSSVDGIPPYRI--RKQH 352
Qy	334	QREHRSVKANGQVSLPHFPRTHRLPKEMTPVBPAPAAELI SRLEKLELSRHSLSLEE 393
Db	353	RREMQESVQVNGRVPLPHI PRTRYVPKEVR-VEPQKFAELIHRLEAVORTREAEKLEE 411
Qy	394	RLQOIREDEKESEQALSRLDG-----APVQH--PLALLPSG-----SYEEDPOTI 438
Db	412	RLKRVMEBEGEDGDFS-SGPPGCPCHKLPAPAWHHFPPRCVDMGCAGLRDAHEENPESI 470
Qy	439	LDBHLRVLKTPCQCPQGVGRYSPRSRDPHHQHHHHQCHTLLSTGGKLPVPAACPLL 498
Db	471	LDEHVRVLKTPQRQPG-----PGRSPDSGHV-----AKMPVALGGAAS 511
Qy	499	GGKSFLTQTKT-----HVHHYIHHHAVPKTKEIEABATQVRCLCPGGTDDY 548
Db	512	GHGKHVPKSGAKLDAAGLHHHRHVHHV--HHSTARPEQVEAEATRAQSSFAWGLEPH 569
Qy	549	CYSK-----CKSHPKAPEPLPGQFCGSRGGTLPKRNAKTEPGLALSARDGCMSSAAGG 603
Db	570	SHGARGSYSESYGAAFNAPSDGLAHSG-KVGCAKRNKAESGKSAST----- 617
Qy	604	PQLPG--EEGDRSDYQWMLSESEQ---SKSKPHSAQSIRKSVPLESARAAPOGERVSRH 658
Db	618	EYFGASEDAEKNQKIMQWIIIEGKELSRHRRTHGSGSGTRKPKPOPHENSRP-----LSLE 671
Qy	659	HLIGASGHSRVARAHFPFTODPAMPPLTPPTNTLQALEEACRLAEYSK--POKORCC 713

Db 672 HPWAGPQLRTSVQPSHLFIQDPTMPPHAPNLTQLEEARRELEEEKRAAPSQRV 731
Qy 714 VASQORDNRHNSAQAQASPPFNP-----SLAPEDHKEPKKLASHVHALQASLV 762
Db 732 QEVNER-----GRACVRPACAPVHLVVPVAVSDMELSETETRSQKRYGGGSAQPCDSIV 784
Qy 763 VTYFCGGEIPYRRMKQSLTLGHFKQLSKKNRYVYFKKASDEFACGAVFEEIMWDE 822
Db 785 VAYFCGGEIPYRVLVRGAVTLGQFKELLTKGSRYYFKVSDDEFDCGVVFEVREDE 844
Qy 823 TVLPMYEGRIILGKVERID 840
Db 845 AVLPUFEEKIIGKVKVD 862

RESULT 5

US-10-092-900A-270
; Sequence 270, Application US/10092900A
; Publication No. US20040043382A1
; GENERAL INFORMATION:
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Taupier Jr., Raymond J.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Gorman, Linda
; APPLICANT: Miller, Charles E.
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Patturajan, Meera
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Guo, Xiaojia Sasha
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Liu, Yi
; APPLICANT: Anderson, David W.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Catterton, Elina
; APPLICANT: Leite, Mario W.
; APPLICANT: Zhong, Hailong
; APPLICANT: Alsobrook, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: No. US20040043382A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-290C
; CURRENT APPLICATION NUMBER: US/10/092,900A
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: USN 60/274,322
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: USN 60/283,675
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: USN 60/338,092
; PRIOR FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: USN 60/274,281
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: USN 60/274,191
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: USN 60/325,681
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: USN 60/304,354
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: USN 60/279,995
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: USN 60/294,899

; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: USN 60/287,424
; PRIOR FILING DATE: 2001-04-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 768
; SEQ ID NO 270
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-900A-270

Query Match 36.4%; Score 1617; DB 4; Length 912;
Best Local Similarity 41.4%; Pred. No. 1.5e-105; Indels 172; Gaps 29;
Matches 384; Conservative 125; Mismatches 246;

Qy 12 DPSSSFREDAPRPVPGEGETPPCQPSVGKQVQSTKMPVS-----SN 54
Db 60 DLGASFTEDAPRPVPGEGE-----LVSTDRPASVFCSGKGVIGKETSTAT 109

Qy 55 ARNEDGLG-EPEGASPDSPLTWTWKLHSLLDGQDQAYLFRFTLEREKCVDTLDWFPA 113
Db 110 PRSDLDLGYEPEGASPTPPYLKWAESLHSLDDQDQISLFRFTLQKQGCADLLDFWPA 169

Qy 114 CNFRQNLKDT---KTLRVAKAIYKRYI-ENNSVVSQKLPATKTYIRDGKKQOIGSV 169
Db 170 CTGFRKLEPCDSNEBKRLKLARIYKYLIDNNGIVSRQTPATKSFYKGCIMKQILIDPA 229

Qy 170 MFDQAQTEIOAVMEENAYQVFLTSDIYLEYVRSNGENTAYMS--NGGLGSLKVLGCLYPT 227
Db 230 MFDQAQTEIOATMEENTYPSFLKSDIYLEYVTRTSESFKVCSQDSSGSGTGKISGYLPT 289

Qy 228 LNEEEWTC-----ADLKCLSPVTVVGLSSKTLRATASVRSSTETENGFRSPKR 276
Db 290 LNEDEWKCQDMDDEDDGRDAAPPGL-POKLLLETAAPRVSSRRYSEGRFYGSR- 347

Qy 277 SDPVNPHVSGYVAFAPATSANDSE---LSSDALTDSDMSMTDSSVDGVPPVPMGSKQL 333
Db 348 -EPVNYVYVAGYALAPATSANDSEQQSLSDA---DTLSLTDSDVDGIYPYRI--RQKH 401

Qy 334 QREHRSYKANGQVSLPHFRTHRLPKEMTPVEPAFAAEILISLEKLELESRLSE 393
Db 402 RREMQESVQVNGRVPLPHI PRTYRVPEVR-VEPQFAEELIHRLEAVORTREAEKLEE 460

Qy 394 RLQIREDDEKEGSEQALSRRDGPVQ-----HPLALLPS-----G 429
Db 461 RLKRVMEEGE-----DGDPSGPPGPGCHKLPAPAWHHPPRLCWTMACAGLRD 511

Qy 430 SYEEDPQTLLDHLRSVLKTPGCOSPGVGRYSRSPDHQHQQHQQCHTLSTGKGL 489
Db 512 AHEENPESILDEHVORVLTFTGQSPG-----PGRSPDSGHV-----AKM 552

Qy 490 PPVAACPLLGKGSFLTKOTTK-----HVHHYIHHHVAVKTKBEIEAEATQVRVC 539
Db 553 PVALGGAASGHGKVPKSGAKLDAAGLHHRHHVHHV--HHSSTARPKQVEAEATRAQS 610

Qy 540 LCPGTDYCYYSK-----CKSHPKAPEPLPGEQFCGSGGTLPKENAGTPEGLSARD 594
Db 611 SPWGLEPHSHGARSRGYSESVAAPNASDGLAHSG-KVGVACKKNNAKKAESGKAST-- 667

Qy 595 GMSAAGPOLPG--BEGDRSQDVWQWMLSERO---SKSKPHSAQSIKSYPLESARA 649
Db 668 -----EVPGASEDAENKQIMQWIIIEGEKISHRHRTGHGSSGTRKPPQPHNSRP 717

Qy 650 APGERVSRHLLGASGHSRVARAHFFTQDPAMPPLTPPNTLAQLEECRRRLAEVSK--- 706
Db 718 -----LSLEHPWAGPQLRTSVQPSHLFIQDPTMPPHAPNLTQLEEARRELEEEKRA 772

Qy 707 --POKQRCVVASQORDNRHNSAQAQASPPFNP-----SLAPEDHKEPKKLASV 753
Db 773 RAPSQRVYQEVMMR-----GRACVRPACAPVHLVVPVAVSDMELSETETRSQKRYGGG 825

Qy 754 HALQASELVVYTFQCGEIPYRRMLKAQSLTLGHFKQLSKKNRYVYFKKASDEFACGA 813

QY 779 KAQSLTLGHFKQLSKGNRYRYFKKASDEFACGAVFBEIWDDETVPWMEGRILGKVER 838
Db 765 RGRVTLGQFELLTKGKSYRYFYFKVDFDFCGVFEVREDEAVLPVFEKILGKVEK 824
QY 839 ID 840
Db 825 VD 826
RESULT 8
US-10-374-979-91
; Sequence 91, Application US/10374979
; Publication No. US20030219793A1
; GENERAL INFORMATION:
; APPLICANT: John P. Carulli et al.
; TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3
; FILE REFERENCE: 032796-021
; CURRENT APPLICATION NUMBER: US/10/374,979
; CURRENT FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: US 09/544,398
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/543,771
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/229,319
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 60/071,449
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: US 60/105,511
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-374-979-91
Query Match 36.1%; Score 1605; DB 4; Length 900;
Best Local Similarity 41.2%; Pred. No. 1e-104;
Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;
QY 12 DPSSSFREDAPPPVGEGETPPCQPSVGKQVSTKMPVUS-----SN 54
Db 48 DLGASFTEDAPPPVGEGETPPCQPSVGKQVSTKMPVUS-----SN 54
QY 55 ARNEDGLG-EPEGASPDSPLTRWTKSLHSLGDDGAYLFRFTLEKCKVDTLDFWFA 113
Db 98 PRSRDLGVEPEGSASPTPPYLKWAESLHSLDDDDGSLPRTFLKQGGCADDLDFWFA 157
QY 114 CNGFQMLNLDKTD---KTLRVAKAIYKRYI-ENNSVVKQKLPATKYIRDIKQKQIGSV 169
Db 158 CTGFKLEPCDSNEEKKLARAIYKRYIYLDNNGIVSRQTKPATKSFKGCIMKQLIDPA 217
QY 170 MFDQACTEIOAVMENAIVQVLTSDIYLYBYRSGGENTAYMS--NGGLSLKVLGCLYPT 227
Db 218 MFDQACTEIOATMEENTYPSFLKSDIYLYBYRSGGENTAYMS--NGGLSLKVLGCLYPT 277
QY 228 LNEEEETWC-----ADLKCKLSPTVVGLSKTLRATASVRSRTAENGRSPFKR 276
Db 278 LNEDEEWKCDQMDDEDGDDAAPPGRGL-PQKLLLETAAPRVSSRRYSEGREFRYGSWR- 335
QY 277 SDPVNPNYHVGSGVFAPATSSANDSE---LSSDALTDSSMTDSSVDGVPYRMSKKQL 333
Db 336 -EPVNPYVYVAGYALAPATSSANDSEQQSLSSDA---DTLSLTDSSVDGIPPYRI--RKQH 389
QY 334 QREMRHSVKANGVSLPHPRTHRLPKEMTPVEAPAAELISRLKLEKLESHSLSE 393
Db 390 REMQESAQVNGRVPLPHPRTRYPVPEVR-VEPQKFABELIHRLEAVQRTREAEKLE 448
QY 394 RLQOIREDEKEGESEQALSSRGAPVQ-----HPLALLPS-----G 429
Db 449 RLKRVMESEGE-----DGDPSGGPPGCHKLPPAPAWHPPRLCWTWACAGLRD 499

QY 430 SYEEDPOTILDHLSRLVLTFCQSPGVRYSRPSRSDPDHHHHHHHOOCHTLLSTGKGL 489
Db 500 AHEENPESILDEHVORVLRITGROSPG-----PGRSPDSGHV-----AKM 540
QY 490 PVAAACPLLGKSKFLTKQTK-----HVHHHYTHHHAVPKTKKEIEAEATORVRC 539
Db 541 PVALGGAASGHGKHVPKSGAKLDAAGLHHHRHHV--HHSATPKQVVEAEATRAQS 598
QY 540 LCPGGTDYYCYSK-----CKSHPKAPEPLPGEQFCGSRGGTLPKRNAGTPEGLALSARD 594
Db 599 SPANGLEPHSHGARSRGYSVGAAPNASDGLAHSG-KVGACKNKAKKESGKSAST-- 655
QY 595 GGMSSAAGGPOLPG--EGDRSQDVWQWMLSERO---SKSKPHSAQSIKSYPLESARA 649
Db 656 -----EVPGASEDAEKQKIMOWIEEKEISHRHRTGHGSSGTRKPOPHENSRP 705
QY 650 APGERVSRHLLGASGHSVARAHPTQDPAMPPLTPPNTLAOLEEACRRLAEYSK--- 706
Db 706 -----LSLEHPWAGPOLRTSVQSHLFIQDTPMPHPAPNPLTQLEEARRLLEBEKRA 760
QY 707 --PQORCCVASQORDNRHNSAAGQAGASPPANP-----SLAPEDHKPEKKLASV 753
Db 761 RAPSKORYVQEVMR-----GRACVRPACAPVLHVVPVAVSDMELSETETRSQRKGG 813
QY 754 HALQASELVVYFFCGEIPYRMLKAQSLTLGHFKQLSKGNRYRYFKKASDEFACGA 813
Db 814 SAQPCDSIVVAYYFCGEPIYRMLVGRGAVTLGQFELLTKGSRVYFYFKVSDDFDCGV 873
QY 814 VPEETWDDTVPVMEGRILGKVERID 840
Db 874 VFEVREDEAVLPVFEKILGKVEKD 900
RESULT 9
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040038860A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT APPLICATION NUMBER: US/10/182,936A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91
Query Match 36.1%; Score 1605; DB 4; Length 900;
Best Local Similarity 41.2%; Pred. No. 1e-104;
Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;
QY 12 DPSSSFREDAPPPVGEGETPPCQPSVGKQVSTKMPVUS-----SN 54
Db 48 DLGASFTEDAPPPVGEGETPPCQPSVGKQVSTKMPVUS-----SN 54
QY 55 ARNEDGLG-EPEGASPDSPLTRWTKSLHSLGDDGAYLFRFTLEKCKVDTLDFWFA 113

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Db 98 PRSOLDLGEPEGASPTPPYLKWAESLHSLDDQDQGISLRTFLKQEGCADLLDFWFA 157
Qy 114 CNGFRQMLKDT---KTLRVAKAIYKRYI-ENNSVVSUKOLKATKTYIRDGIIKQOIGSV 169
Db 158 CTGFRKLEPCDSNEEKRLKARAIYKRYILDNNGIVSRQTKPATKSFKICMQLIDPA 217
Qy 170 MFDQAQTEIOAWEENAYOVFLTSDIYLEYVRSRGENTAYMS--NGGLGSLKVLCOYLPT 227
Db 218 MFDQAQTEIOATMEENTYPSFLKSDIYLEYTRTGSSEPKVCSQDQSGSGTGKIGSYLPT 277
Qy 228 LNEEBEWC-----ADLKCKLSPTVVGLSSKTLRATASVRSSTETAEANGFRSFKR 276
Db 278 LNEEBEWCQDQDMDDEDDGRDAAPPGLR-PQKLLLETAAPRVSSRRYSEGREFRYGSWR- 335
Qy 277 SDVPNYPYHVGSYVPAPATSANDSE---LSSDALTDSSMTDSSVDGVPVPMGSKKQL 333
Db 336 -EPVNPYYNAGYALAPATSANDSEQOSSLSDA---DTLSLTDSSVDGIPPYRI--RKQH 389
Qy 334 QREHRSVKANGQVSLPHPRTHRLPKEMTPVEPAFAELISRLKLEKLESHRSLEE 393
Db 390 RREMQESAQVNGRVPPLPHIPRTYRVPKEVR-VEPOKFABELIHRLEAVQRTREAEKLEE 448
Qy 394 RLQOIREEDEEKEGSEQALSRRDGPVQ-----HPLALLPS-----G 429
Db 449 RLKRYRMEEEGE-----DGDPSGPPGCHKLPPAPAMWHPPRLCMTWACAGLRD 499
Qy 430 SYEEDPOTILDDHLRSVLKTPGCQSPGVGRYSRSPRSDPHHHQHQQCHTLLSTGGKL 489
Db 500 AHEENPESILDEHVORVLTTRGQSPG-----PGRSPDSGHV-----AKM 540
Qy 490 PPVAAACPLLGGKSLTKOTTK-----HVVHHYIHHHRAVPTKEIEAEATORVRC 539
Db 541 PVALGGAASGHGKHVPKSGAKLDAAGLHHHRVHHV--HHSTARPKQVEAEATRAQS 598
Qy 540 LCPGTDYCYYSK-----CKSHPKAPEPLPGEQFCGSRGGTLPKENAKGTPEGLALSARD 594
Db 599 SFAWGLEPHSHGARSRGYSESVGAAPNASDGLAHSG-KVGVACKNNAKKAESGKAST-- 655
Qy 595 GGMSSAAGGPOLPG--EEGDRSQDVQWQWMLSERO---SKSKPHSAQSTIRKSYPLESARA 649
Db 656 -----EVPGASEDAENKQKIMOWIIEGEKEISRHRRTGCHSSGSTRKPOPHENSRP 705
Qy 650 APGERVSRHLLGASGHSRVARAHPFTQDPAMPPLTPNTLAOLEEACRLAEVSK--- 706
Db 706 ----LSLEHPWAGPOLRTSVQPSHLFTQDPTMPHPAPNPPLTQLEEARRRLEBEKRAAS 760
Qy 707 --PQORCCVASQDRNRHNSAAGAGASFPFANP-----SLAPEDHKEPKKLASV 753
Db 761 RAPSORYVQEVMMR-----GRACVRPACAPVLHVVPVAVSDMELSETETRSQRKVG 813
Qy 754 HALQASELVVYFFCFGBEIPYRMLKAQSLTLGHFKEQLSKKGNRYRYFKKASDEFACGA 813
Db 814 SAQPCDSIVVAYFCGEPIPYTLVRGRAVILGQFKELLTKGSRYYFKKVSDFDCGV 873
Qy 814 VPEETWDDTLPVMEGRILKVERID 840
Db 874 VFEEVREDEAVLPVPEEKIIGKEKVD 900
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RESULT 10

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US-10-477-238A-670
; Sequence 670, Application US/10477238A
; Publication No. US20040221326A1
; GENERAL INFORMATION:
; APPLICANT: Babji, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT APPLICATION NUMBER: US/10/477,238A
; CURRENT FILING DATE: 2003-11-10
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; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-238A-670

Query Match 36.1%; Score 1605; DB 5; Length 900;
Best Local Similarity 41.2%; Pred. No. 1e-104;
Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;

Qy 12 DPSSSFREDAPPPVPEEGETPPCQPSVGKVOSTKMPVMS-----SN 54
Db 48 DLGASFTEDAPPPVPEEGE-----LVSTDPASYSFCSGKGVIGKGTSTAT 97
Qy 55 ARNEDGLG-EPGGRASPDSPLTRWTKLSLHLLGDQDQAYLFRFLEREKCVDTLDFWEA 113
Db 98 PRSOLDLGEPEGASPTPPYLKWAESLHSLDDQDQGISLRTFLKQEGCADLLDFWFA 157
Qy 114 CNGFRQMLKDT---KTLRVAKAIYKRYI-ENNSVVSUKOLKATKTYIRDGIIKQOIGSV 169
Db 158 CTGFRKLEPCDSNEEKRLKARAIYKRYILDNNGIVSRQTKPATKSFKICMQLIDPA 217
Qy 170 MFDQAQTEIOAWEENAYOVFLTSDIYLEYVRSRGENTAYMS--NGGLGSLKVLCOYLPT 227
Db 218 MFDQAQTEIOATMEENTYPSFLKSDIYLEYTRTGSSEPKVCSQDQSGSGTGKIGSYLPT 277
Qy 228 LNEEBEWC-----ADLKCKLSPTVVGLSSKTLRATASVRSSTETAEANGFRSFKR 276
Db 278 LNEEBEWCQDQDMDDEDDGRDAAPPGLR-PQKLLLETAAPRVSSRRYSEGREFRYGSWR- 335
Qy 277 SDVPNYPYHVGSYVPAPATSANDSE---LSSDALTDSSMTDSSVDGVPVPMGSKKQL 333
Db 336 -EPVNPYYNAGYALAPATSANDSEQOSSLSDA---DTLSLTDSSVDGIPPYRI--RKQH 389
Qy 334 QREHRSVKANGQVSLPHPRTHRLPKEMTPVEPAFAELISRLKLEKLESHRSLEE 393
Db 390 RREMQESAQVNGRVPPLPHIPRTYRVPKEVR-VEPOKFABELIHRLEAVQRTREAEKLEE 448
Qy 394 RLQOIREEDEEKEGSEQALSRRDGPVQ-----HPLALLPS-----G 429
Db 449 RLKRYRMEEEGE-----DGDPSGPPGCHKLPPAPAMWHPPRLCMTWACAGLRD 499
Qy 430 SYEEDPOTILDDHLRSVLKTPGCQSPGVGRYSRSPRSDPHHHQHQQCHTLLSTGGKL 489
Db 500 AHEENPESILDEHVORVLTTRGQSPG-----PGRSPDSGHV-----AKM 540
Qy 490 PPVAAACPLLGGKSLTKOTTK-----HVVHHYIHHHRAVPTKEIEAEATORVRC 539
Db 541 PVALGGAASGHGKHVPKSGAKLDAAGLHHHRVHHV--HHSTARPKQVEAEATRAQS 598
Qy 540 LCPGTDYCYYSK-----CKSHPKAPEPLPGEQFCGSRGGTLPKENAKGTPEGLALSARD 594
Db 599 SFAWGLEPHSHGARSRGYSESVGAAPNASDGLAHSG-KVGVACKNNAKKAESGKAST-- 655
Qy 595 GGMSSAAGGPOLPG--EEGDRSQDVQWQWMLSERO---SKSKPHSAQSTIRKSYPLESARA 649
Db 656 -----EVPGASEDAENKQKIMOWIIEGEKEISRHRRTGCHSSGSTRKPOPHENSRP 705
Qy 650 APGERVSRHLLGASGHSRVARAHPFTQDPAMPPLTPNTLAOLEEACRLAEVSK--- 706
Db 706 ----LSLEHPWAGPOLRTSVQPSHLFTQDPTMPHPAPNPPLTQLEEARRRLEBEKRAAS 760
Qy 707 --PQORCCVASQDRNRHNSAAGAGASFPFANP-----SLAPEDHKEPKKLASV 753
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Db 761 RPSKQRYVQEVNRR-----GRACVPACAPVLHVVPVAVSDMELSETETRSQKVGCG 813
Qy 754 HALQASELVVYFFCCEETPYRMLKAQSLTLGHKEQLSKGNVRYVYFKKASDSFACGA 813
Db 814 SAQPCDSIVVAYFCEPIPYTLVRGRAVTLTGQFKELLTKGGSYRYFKVSDSDFDCGV 873
Qy 814 VFEETWDDTLPVMEGRILGKVERID 840
Db 874 VFEVREDEAVLPVFEELIIGKVKVD 900

RESULT 11
US-10-680-287A-670
; Sequence 670, Application US/10680287A
; Publication No. US20040244069A1
; GENERAL INFORMATION:
; APPLICANT: Babij, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-179
; CURRENT APPLICATION NUMBER: US/10/680,287A
; PRIOR FILING DATE: 2003-10-08
; PRIOR APPLICATION NUMBER: PCT/US02/14876
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-680-287A-670

Best Match 36.1%; Score 1605; DB 5; Length 900;
Best Local Similarity 41.2%; Pred. No. 1e-104;
Matches 362; Conservative 125; Mismatches 248; Indels 172; Gaps 29;

Qy 12 DPSSSPREDAPPPVGEGETPPCQPSVGVKQVOSTKMPVS-----SN 54
Db 48 DLGASPTDAPPPVGEERGE-----LVSTDPREASVFCSGKGVIGKGTSTAT 97
Qy 55 ARNEDGLG-EPEGASPDSPLTRWTKSLHSLLDGQDQAYLFRTELEKCKVDTLDFWPA 113
Db 98 PRSOLDLGYEPGASPTPPVYLKWAESLHSLDDQDGLSLFRTELEKCKVDTLDFWPA 157
Qy 114 CNGFQOMLNKDT---KTLRVAKIYKRYI-ENNSVVSQKQPKATYIINDGKQOIGSV 169
Db 158 CTGFRKLEPCDSNEERKLARAIYRKYILDNNVSVRSQTKPATSFKFGICMLKQLIDPA 217
Qy 170 MFDQAQTEIQAVNEENAYQVFLTSDIYLYSVRSNGENTAYMS--NGGLGSLKVLGYLPT 227
Db 218 MFDQAQTEIQATMEENTYFSLKSDIYLYTRTGSSEPKVQSDSGSGTGKIGSYLPT 277
Qy 228 LNEEREWTC-----ADLKCKLSPTVVGLSKTLRATASVRSTETAENGRFSFKR 276
Db 278 LNEDEWKCQDMDDEDGDAAPPGL-LPKLLLETAAPRVSSRRYSEGRFYCSWR- 335
Qy 277 SDPVNPHYVGSYVFAPATSSANDSE---LSSDALTDSSMTDSSVDGVPYRMGSKKQL 333
Db 336 -EPVNPYYNAGVALAPATSSANDSEQQSLSSDA---DTLSLTDSSVDGIPPYRI--RKQH 389
Qy 334 QREMRSVKANGQVSLPFPTRHLPKEMTPPEAPFAAELLISRLKLELESRLSE 393
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Db 390 REMQESAQVNGRVLPHIPRTYRVPKEVR-VEPOKFAEELIHRLEAVORTREAEKLEE 448
Qy 394 LQOQIREDEEKEGSEQALSSRDGAPVQ-----HPLALLPS-----G 429
Db 449 RLKRVMEEGE-----DGDSSGPPGCHKLPPAPAMHFFPPRLCMTWACAGLRD 499
Qy 430 SYEEDPQITLDHLRVLKTPCQSPGVGRVSRSPRSDPHHHQHOOCHTLLSTGGK 489
Db 500 AHEENPESILDEHVQRLVLTTRGQSPG-----PGRSPDSGHV-----AKM 540
Qy 490 PPVAAACPLLGKSLTKQTTK-----HVHHYIHHHVAVPKTBEEIEAEATORVRC 539
Db 541 PVALGGAASGHGKHVPKSGAKLDAAGLHHHRVHHV--HHSTAPKQEOVEAEATRAQS 598
Qy 540 LCPGGTDYYCYSK-----CKSHPKAPEPLPGFCGSRGGTLPRKNAKGTPEGLALSARD 594
Db 599 SPFWGLEPHSHGARGSGYSEVGAAPNASDGLAHSG-KVGVACKNAKKAESGKSAST-- 655
Qy 595 GGMSSAAGPQLPG--EGDRSODVQWOMLESERO---SKSPKPSAQSIKSYPLESARA 649
Db 656 -----EVPGASEDAEKQKIMOWIEGEKEISRHRRTGHSSTGTRKQPHENSRRP 705
Qy 650 APGERVSRHLLGASGHSRSVARAHPFTQDPAMPPLTPPNTLAOLEEACRRLAEVSK--- 706
Db 706 -----LSLEHPWAGPOLRTSVQPSHLFIQDPTMPHPAPNPLTQLEEARRRLEEEKRA 760
Qy 707 --POKQRCVASOQRDRNHSAGAGASPFANP-----SLAPEDHKEPKKLASV 753
Db 761 RAPSQRVYQEVNRR-----GRACVPACAPVLHVVPVAVSDMELSETETRSQKVGCG 813
Qy 754 HALQASELVVYFFCCEETPYRMLKAQSLTLGHKEQLSKGNVRYVYFKKASDSFACGA 813
Db 814 SAQPCDSIVVAYFCEPIPYTLVRGRAVTLTGQFKELLTKGGSYRYFKVSDSDFDCGV 873
Qy 814 VFEETWDDTLPVMEGRILGKVERID 840
Db 874 VFEVREDEAVLPVFEELIIGKVKVD 900

RESULT 12
US-10-477-173-670
; Sequence 670, Application US/10477173
; Publication No. US20050070699A1
; GENERAL INFORMATION:
; APPLICANT: Genome Therapeutics Corporation and
; APPLICANT: Allen, Kristina M.
; APPLICANT: Yaworsky, Paul
; APPLICANT: Morales, Arturo J.
; APPLICANT: Graham, James R.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: HBM Variants that Modulate Bone Mass and Lipid Levels
; FILE REFERENCE: 032796-135
; CURRENT APPLICATION NUMBER: US/10/477,173
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 1086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-173-670

Query Match 36.1%; Score 1605; DB 5; Length 900;
Best Local Similarity 41.2%; Pred. No. 1e-104;
```

Matches	382;	Conservative	125;	Mismatches	248;	Indels	172;	Gaps	29;
Qy	12	DPSSSFREDAPRPVPVPEEGEGTTPCQPSVGVQSTKMPVS-----	SN	54					
Db	48	DLGASFTEDAPRPVPVEEGE-----	LVSTDRPASYSFCSGKGVGKGETSTAT	97					
Qy	55	ARNNEDGLG-EPEGRASPDSPLTWTWTKSLHSLLDQDGAYLFRFTFLREKCVDTLDFWFA	113						
Db	98	PRRSDLDLGYEPESASPTPYPLKWAESLHSLLDQDGI SLFRFTFLKQEGCADLLDFWFA	157						
Qy	114	CNGFROMNLKDT--KTLRVAKALYKYI--ENNSVWSKOLKPAKTYIRDIGIKKQQLGSV	169						
Db	158	CTGFRKLEPCDSNEEKLLKALARYKYLIDNNGIVSRQTKPATKSYKGCIMKQLIDPA	217						
Qy	170	MFOQAQTEIQAVMEENAIQVFLTSDIYLEYVRSGGENTAYMS--NGGLGSLKVLKCYGLPT	227						
Db	218	MFOQAQTEIQATMEENTYPSFLKSDIYLEYTRTGSSEPKVCSQDQSSGSGTKGISGYLPT	277						
Qy	228	LNEEEEWTC-----ADLKCKLSPTVVGLSKTLRATASVRSRTETAENGFRSFKR	276						
Db	278	LNEDEEWKCDQDMDEDDGRDAAPGRL-POKLLLETAAPRVSSRRYSRSEGRFRYGSWR-	335						
Qy	277	SDPNVPYHVGSGYVFAPATSANDE-----LSSDALTDSDMSMTDSSVDGVPPYRMGSKQL	333						
Db	336	EPWNPYYVAGYALAPATSANDESQQLSSDA---DTLSTLTSVDGIIIPPYKI--RQKH	389						
Qy	334	QREHRSVANGQVSLPHPRTHRLPKEMTPVEPFAAELI SRLEKLELSRHSRHSLEE	393						
Db	390	RREMOESAQVNGRVPLPHIPRTYRVPKEV-VEPOKFAELIHRLEAVQRTREAEKLEE	448						
Qy	394	RLOQIRDEKESEQALSRDGAPOVQ-----HPLALLPS-----	G	429					
Db	449	RLKRVMEEGE-----DGDPSGPGPCCHKLPPAPAWHFFPRLCMTWACAGLRD	499						
Qy	430	SYBEDPOTIIDDLHSLRVLTKPGQSPGVGRVSPRSRPHHHQHHHQOCHTLLSTGGKL	489						
Db	500	AHENPESIIIDEHVQRLVTRTGHQSPG-----PCHRSPSDGHV-----	AKM	540					
Qy	490	PPVAACPLLGGKGFLTKQTTK-----HVHHYIHHHVAVPKTKETEAEATQVRVC	539						
Db	541	PVALGGAASGHGKHVPKSGAKLDAAGLJHHHRHVHHV--HHSTARPKQEVEAEATRAQS	598						
Qy	540	LCFGDTDYCYSK-----CKSHPKAPEPLPGEQFCSGRGGTLPKRNAKTEPGLALSARD	594						
Db	599	SPFANGLEPHSHGARSRGYSVSGAAPNASDGLAHSG-KVGVACKRNAKKAESCKSAST--	655						
Qy	595	CGMSSAAGGPOLPG--EEGRSDQVWOMWLESERQ---SKSKPHSAQSIKRSYPLBSARA	649						
Db	656	-----EVFGASEDAEKQKIQWIIIEGEKEISRHRRTGHSGSGTKKPOPHENS RP	705						
Qy	650	APGERVSRHLLGASGHSGSVARAHPTQDPAMPPIPTPNNTLAQLBEACRRLEAVSK---	706						
Db	706	-----LSLEHPWAGPOLRSTVQPSHLFIQDPTMPHPADPNPLTQLEEARRRLEEEKRA	760						
Qy	707	--POKORCCVASOORDNHSAAQAGASFPANP-----SLAPEDHKPEPKLASV	753						
Db	761	RAPSKORYVOEVMNR-----GRACVRPACAPVLHVPAVSDMELSETSTRSQKVGKG	813						
Qy	754	HALQASELVVTYFECGEIIPYRMLKAQSLTLGHFKEQLSKKNYRYYPFKASDEFACGA	813						
Db	814	SAQPCDSIVVAYYFCGEPFYRTLVRGRAVTLGQFKELLTKGSYRYYPFKYSDEFDCGV	873						
Qy	814	VPEEIWNDETVLPMYEGRLGKVERID	840						
Db	874	VFEVREDEAVLPVFEEKIIGKVKVD	900						


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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)
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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (12)
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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (48)
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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-5828

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Query Match      16.5%; Score 733; DB 4; Length 155;
Best Local Similarity 90.8%; Pred. NO. 6.4e-44;
Matches 139; Conservative 3; Mismatches 11; Indels 0; Gaps 0;
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Qy	688	PNTLAQLEECRLAEVSKPKQRCVCAQOQRDNHSAAGAGASPFANPSLAPEDHKEP	747
Db	3	PTXWXQLEEXCRLAEVSKPPKQRCVCAQOQRDNHSAVTGTGATXFSNPSLAPEDHKEP	62

Qy 748 KKLASVHALQASELVVTFFCGEIPYRRLKAQSLTLCHEKEQLSKGNRYRYFKKASD 807

nb 63 KVIAGVHALQASELVVTFFCGEETDVDDMIKAQSLTLCHEKEQLSKGNRYRYFKKASD 122

QY	808	EPACGAVFEEIUNDETULPMYEGRILGKVERID	840
		:	
n6	123	EPACCAVEEETUUNDETULPMYEGRILGKVERID	155

RESULT 15
US-11-097-143-3015
; Sequence 3015, Application US/11097143
; Publication No. US2005020858A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.

US-11-097-143-3015

Query Match	10.3%	Score 457.5;	DB 6;	Length 745;
Best Local Similarity	22.2%;	Pred. No. 2.2e-23;		
Matches 212:	Conservative 125;	Mismatches 277;	Indels 341;	Gaps 39;

Qy	13	PSSSFRED-----APRPPVPGEEGETPPCQPSVGKVOSTKPMFVSSNARNNEDELGEPEG	67
		:	
		:	
		:	
		:	
		:	
		:	
0b	5	PSGTRKHDNCECSGRPPVPCEE-----SRVKMTTEGVADTSK	42

Qy		68	RASPDSPLTWTWTKSLHLSLLGDODGAYLPRTPLEBKCV--DTLDWFPAFCNGFRONMLKDT	129
Dd	:	43	NSSPS--YLMWARTLNHLLEDRCGVFLPKKYVEEAPAYNDHLPNFYFACGLKOOT-DPE	99
Qy	:	126	KTLRVAKAIYKVYTENNVSVKQLKPATKTIVRIGIKKQ---QTGSVMVFDQAQTEIQAVM	182
Dd	:	100	KIQUIICAIYIFLRKSQLSISDDLRAQIK-----AIKTNPEIPLSPHIFDPQRHVETVI	154
Qy	:	183	EENAYQVLFTSDIYLEYVR-----SG--GENTAYNMNNGGLSKVLVCYLPTLN	229
Dd	:	155	RDNIYPTFLCSEMYYILYIQMSAQOERCRTSSGATCGSAGSSGGSSLAGACALPPTTA	214
Qy	:	230	EEEE-----WTCADLKCKLSPVTWGLVSSKTLTAAATSVRSTE	265
Dd	:	215	SGKQQLPOLVPPGAFINLPVSSVGPPAGTCSAGSVYGPSTSSASSGSI SATDTPLRSS	274
Qy	:	266	T-----AENG-----FRSFKRSD	278
Dd	:	275	TLPTLHEDSVLSLCDDFEKVQMGGGSLGSGSVGAGARAPDYIRLTRDLLIAQTERRL	334
Qy	:	279	PVPNYHVGSGYVFAPAT-----SANDSE---LSSDALTD-DSMSMTDSSVDGVPPVR	326
Dd	:	335	EIRP-FGAHYGVNPSTNTSYVPSNRVDSERASVSGGRVDSOTMSISSCSMDGRPIQ	393
Qy	:	327	MGSKKQLOREMHRSVKANGOV-SLPHPRTRURL-PKEMTPVEPAAFAAEALSRLKEKLME	384
Dd	:	394	RHSSTESKAIRQSAMANKETTPOVIPRIORLHNSNEHPKKEELVSLLPKLE---E	449
Qy	:	385	LESRHSLEERLOQ-----TREDEKGEGSEQALSRRGAPVOHPLALLPGSYBEDPQTI	438
Dd	:	450	VKEKRDLEERARNPCGAALLTNERSSADRFAE---AIREXPAL-----DEDNQDI	500
Qy	:	439	LDBHLSRVLKTPGCOSPGVGRYSRPRSPPDHQHQQHOCHTLLSTCGKPLPVVAACPLL	498
Dd	:	501	LDQHVSXWKD-----QTP-----HNSP-----GTWS-	523
Qy	:	499	GKGSFLTQTTKHVVHHYIIHHHAVPTKEEIEABATORVRCLCPGGTDYCYCKCKSHPK	558
Dd	:	524	-----CP-----	525
Qy	:	559	APBPLPCEQFGSRGGTLPKRNKGTBPGLALSARDGMSGSAAGGPOLPGBEGDRSQDW	618
Dd	:	526	---PIP-----SRRRT-----ATHDSGMVS-DGAMSLSG---	550
Qy	:	619	QMWLESERQSKXP-HSAQSTRKSYPLESARAAPG-----ERYSRHLLLGASHRSVA	671
Dd	:	551	----HSMKHSKNPDHSSCSRKLTNKWPMMNTDSGISMFSA DT VKYK - DASSRSGS--	602
Qy	:	672	RAHPPTQDPAMPPLTPPNTLAQEAEACRRLEAVSKPKQRCOV-----ASQORDNHSA	725
Dd	:	603	-----STASKLEAEAKRRELD--EPRRSRRYAQPMPMOHL SQOPLASFSS	643
Qy	:	726	AGOAGASPANPSLAPDHKEPKKLASVHALQASELVVTYPFCCEEIIPYRM LKAQSUTL	785
Dd	:	644	SSSGGSSL-----PHOPPLPA-----KPFETIVVFSFCEBPVYRKIPCTQPTL	690
Qy	:	786	GHPKEQLSKGNTRYYPFKASDEFACGAVFEEIWDDETVLPMYEGRILGKVERID	840
Dd	:	691	ROFKDLYPRGHFFRFEKTHCEDDPSVIOBEI VINDSIDILFQDGKAMGLVKP SD	745

Search completed: April 20, 2006, 16:06:42
Job time : 295.821 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.
OM protein - protein search, using sw model
Run on: April 20, 2006, 16:00:23 ; Search time 46.5435 Seconds
(without alignments)
794.148 Million cell updates/sec
Title: US-09-587-574-1
Perfect score: 4445
Sequence: 1 MSSAVLTLLPDPSSPFRED.....DETLPVMEGRILGKVERID 840
Scoring table: BLOSUM62
Gapop 10.0 ; Gapext 0.5
Searched: 225428 seqs, 44002918 residues
Total number of hits satisfying chosen parameters: 225428
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
Database : Published Applications AA New:
1: /SIDSS/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
2: /SIDSS/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
3: /SIDSS/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
4: /SIDSS/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
5: /SIDSS/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
6: /SIDSS/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
7: /SIDSS/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
8: /SIDSS/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1605	36.1	900	6	US-10-501-035-215
2	172.5	3.9	211	6	US-10-501-035-208
3	172.5	3.9	211	7	US-11-169-041-234
4	151.5	3.4	1618	6	US-10-984-645-2
5	151.5	3.4	1618	7	US-11-132-687-2
6	149	3.4	2505	7	US-11-126-313-33
7	148	3.3	496	7	US-11-096-568A-29371
8	148	3.3	548	7	US-11-096-568A-29370
9	148	3.3	684	7	US-11-096-568A-29369
10	147.5	3.3	578	6	US-10-821-234-1039
11	139	3.1	2392	6	US-10-330-773-907
12	138.5	3.1	1690	6	US-10-330-773-389
13	138	3.1	2311	6	US-10-469-469-54
14	137	3.1	748	6	US-10-821-234-888
15	136.5	3.1	880	7	US-11-087-099-950
16	136.5	3.1	8746	7	US-11-098-586-10232
17	130	2.9	1134	6	US-10-204-639-11
18	129.5	2.9	717	7	US-11-121-438-10
19	128	2.9	915	6	US-10-995-561-1003
20	128	2.9	917	6	US-10-995-561-1000
21	128	2.9	940	6	US-10-995-561-1004
22	128	2.9	969	6	US-10-995-561-1001
23	128	2.9	971	6	US-10-995-561-998
24	128	2.9	994	6	US-10-995-561-997
25	128	2.9	2343	6	US-10-330-773-904

RESULT 1
US-10-501-035-215
; Sequence 215, Application US/10501035
; Publication No. US20060046249A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING
; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: D0185 PCT
; CURRENT APPLICATION NUMBER: US/10/501,035
; PRIOR APPLICATION NUMBER: 2004-07-09
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 215
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-501-035-215

Query Match 36.1%; Score 1605; DB 6; Length 900;
Best Local Similarity 41.2%; Pred. No. 2.2e-107;
Matches 382; Conservative 125; Mismatches 248; Indels 172; Gaps 29;

Qy	12	DPSSFPREDAPRPVPGEGETPPCPQSVGVQSTKMPVS-----SN 54
Db	48	DLGASFTEDAPRPVPGEGE-----LVSTDRPASVFCSGKGVKIGETSTAT 97
Qy	55	ARNEDGIG-EPEGRASPDSPLTRWTXSLHLLGDQDQCAVLFRTFLEREKCVDTLDFMFA 113
Db	98	PRSDLDLGYEPEGSASPTPYLKWAESLHLLDQDQGISLFRFLKQEGCADDLDFMFA 157
Qy	114	CNGFRQNLKDT---KTLRVAKAIYKRYI-ENNSVSVSKOLKPKATYIIRDIKKQIGSV 169
Db	158	CTGFRKLPCDSNEEKELKLARIYKYIILNNGIVSRQTKPATKSFKIGCKIMQLDPA 217
Qy	170	MFOAQTEIOAVNEENAYQVFLTSDIYLVRSRGENTAYMS--NGGLGSLKVLGCVLPT 227
Db	218	MFOAQTEIOATWEENTYPSFLKSDIYLVTRTGESPKVCSOSSSGTGKIGISGLPT 277
Qy	228	LNEEEETWC-----ADLKCKLSPTVVGSLSKTLRATASVRSTETAEANGFRGPKR 276
Db	278	LNEDEEWKCDQDMDDEDDGRDAAPPGL-PQKLLLETAAPRVSSRRYSEGREPRYGSWR- 335
Qy	277	SDPVPNHVSGVGFAPATSAANDSE---LSSDALTDSSMTSSVDGVPPYRMGSKKOL 333

ALIGNMENTS

Db 336 -EPVNYVYAGYALAPATSAANDSEQSLSSDA---DTLSLTDSSVDGIPPYRI--RKQH 389
Qy 334 OREHRSVXANGOVSLPHEPRTHLPEKEMTPPEPAFAAELLSRLKLEKLESHSL 393
Db 390 REMQESQVNGVRLPHIPRTYRVPEVR-VEPQKFABELIHRLEAVORTREAEKLEE 448
Qy 394 RLQOIREDEKEGESEALSSRDCAVQ-----HPLALLPS-----G 429
Db 449 RLKRVMEBE-----DGDPSGPPGCHKLPPAPAWHHPPRLCWTMACAGLRD 499
Qy 430 SYEEDPOTLLDHLNVLTGPGCGVGRYSPRSRSPDHQHQQHHHQCHLLSTGGKL 489
Db 500 AHEENDESILDEHVRLTRTCRSPG-----PGHRSRSPSGHV-----AKM 540
Qy 490 PVAACPLGKGSFLTKQTK-----VHHHVHHAHVPTKBEIEAEATORVRC 539
Db 541 PVALGGAASGHGKHVPKSGAKLDAAGLHHRHVVHVV--HHSTARPEQVEAEATRAQS 598
Qy 540 LCPGGTDYCYSK-----CKSHPKAPEPLPFGQFCGSRGTTLPKRNAGTEPGLALSARD 594
Db 599 SFANGLEPHSHGARSRGYSVGAAPNASDGLAHSG-KGVACKRNAKKAESGKSAST-- 655
Qy 595 GKMSSAAGQPLPG--EEDGRSDVVMWMLSERO---SKSRPHSAQSIRKSYPLESARA 649
Db 656 -----EVPGASEDAEKQKQIMQWIEGEKTSRHRRTGHGSSGTRKPKPHENSRRP 705
Qy 650 APCERVSRHLLGASCHSRVARAHPFTODPMPPLTPPNTLAOLEEACRRLAEVSK--- 706
Db 706 -----LSLEHPWAGPOLRTSVQPSHLFIQDTPMPHPAPNPLTOLSEARRLEEEKRA 760
Qy 707 --PQKQRCVSAQORNRHNSAAGAGASPFANP-----SLAPEDHKPEPKLASV 753
Db 761 RAPSKQRYVQEMVR-----GRACVRPACAPVLHVPAVSDMELSETETRSQRKVG 813
Qy 754 HALQASELVVTFPCGEEPTPYRMLKAQSLTGHFKEQLSKGNVYVYKKADEPACGA 813
Db 814 SAQPCDSIVVAYVFCGEPIPYRTLVRGRAVTLGQFKELLTKGSYRYYPKVSDFDCGV 873
Qy 814 VFEIWDDETVLPMYEGRLGKVERID 840
Db 874 VFEVREDAVLVPFEKILGKVEKD 900

RESULT 2.

US-10-501-035-208
; Sequence 208, Application US/10501035
; Publication No. US20060046249A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING
; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: D0185 PCT
; CURRENT APPLICATION NUMBER: US/10/501,035
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: US 60/350,061
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 208
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-501-035-208

.Query Match 3.9%; Score 172.5; DB 6; Length 211;
Best Local Similarity 26.9%; Pred. No. 3.9e-05;
Matches 46; Conservative 24; Mismatches 72; Indels 29; Gaps 4;
Qy 30 EGETPPCQSVGKVQS-----TKMPVSSNARNEDGLGPEGRASPDSPLTRTKSLHSL 85
Db 50 QNSSTFGPKTKGKSKQQAIFKPSPEAQL-----WSEAFDEL 87

Qy 86 LGDQDQAYLFRFLEREKCVDTLDWFACNGFRQMLKDTKTLRVAKAIYKRYIENSVV 145
Db 88 LASKYGLAAFRAPFLKSEFCEENIEFWLACEDFKTK-SPQKLSKARKIYTDIEKEAPK 146
Qy 146 SKQLKPATKYIRDGKIKQKQIGSVMDQAOETEIQAVMEENAYOVFLTSDIY 196
Db 147 EINIDFQTKTLIAQNI--QEATSGCFTTAQKRVYSLMENNYSYPRFLESEFY 195

RESULT 3

US-11-169-041-234
; Sequence 234, Application US/11169041
; Publication No. US20060019284A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF
; TITLE OF INVENTION: COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE
; TITLE OF INVENTION: KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 10001 NP
; CURRENT APPLICATION NUMBER: US/11/169,041
; CURRENT FILING DATE: 2005-06-28
; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 234
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-169-041-234

.Query Match 3.9%; Score 172.5; DB 7; Length 211;
Best Local Similarity 26.9%; Pred. No. 3.9e-05;
Matches 46; Conservative 24; Mismatches 72; Indels 29; Gaps 4;

Qy 30 EGETPPCQSVGKVQS-----TKMPVSSNARNEDGLGPEGRASPDSPLTRTKSLHSL 85
Db 50 QNSSTFGPKTKGKSKQQAIFKPSPEAQL-----WSEAFDEL 87
Qy 86 LGDQDQAYLFRFLEREKCVDTLDWFACNGFRQMLKDTKTLRVAKAIYKRYIENSVV 145
Db 88 LASKYGLAAFRAPFLKSEFCEENIEFWLACEDFKTK-SPQKLSKARKIYTDIEKEAPK 146
Qy 146 SKQLKPATKYIRDGKIKQKQIGSVMDQAOETEIQAVMEENAYOVFLTSDIY 196
Db 147 EINIDFQTKTLIAQNI--QEATSGCFTTAQKRVYSLMENNYSYPRFLESEFY 195

RESULT 4

US-10-984-645-2
; Sequence 2, Application US/10984645
; Publication No. US20050244386A1
; GENERAL INFORMATION:
; APPLICANT: Habener, Joel
; APPLICANT: Zulewski, Hendrik
; APPLICANT: Abraham, Elizabeth
; APPLICANT: Vallejo, Mario
; TITLE OF INVENTION: METHOD OF TRANSPLANTING IN A MAMMAL AND TREATING DIABETES MELLIT
; TITLE OF INVENTION: BY ADMINISTERING A PSEUDO-ISLET LIKE AGGREGATE DIFFERENTIATED
; FILE REFERENCE: 3284/1223
; CURRENT APPLICATION NUMBER: US/10/984,645
; CURRENT FILING DATE: 2004-11-09
; PRIOR APPLICATION NUMBER: US 09/731,255
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: US 60/169,082
; PRIOR FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: US 60/215,109
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: US 60/239,880
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 55

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 1618
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-984-645-2

Query Match      3.4%; Score 151.5; DB 6; Length 1618;
Best Local Similarity 19.4%; Pred. No. 0.023;
Matches 180; Conservative 108; Mismatches 333; Indels 309; Gaps 42;

QY 21 APRPPVPGE-EGETPP---CQPSVGKVQSTKPM-----PVSSNARRNDEG 61
DB 395 APSPAVDIAIRAQDAPLSLLQTQGGKQAPELRAEVAIPASVLPGEPEEGQORQAS 454
QY 62 LGE-PEGRASPDSPITRWTKSLHSLGDDQDGAFLRT-----FLREKCVDTLD 109
DB 455 TCQSPEDHASLAPPLSPDHSSLEAKDGSGSRVFSICRGEQEGQIWLVEKETAIEG-- 512
QY 110 FWFACNGFQMNLDKTLRVAKAIYKRYIENNVSVVSKOLKPKATKYIRDGKKQOIGSV 169
DB 513 ---KVSSIQOEIWEEDLNKKEIQDSQVPLEKETLK--SLGEE 551
QY 170 MFDQAQTEIQAVMEENAYQVF-----LTSDIYLEYVRS-----GGENT 207
DB 552 IOESLKT-----LENQSHETLERENQECPRSLIED--LETLSLEKENKRAIKGCGSET 604
QY 208 AYMSNGGLGSLKVLGCLYPLTNEEBEWTCADLK---CKLSPTVVG-LSSKTLRATASVRS 263
DB 605 ---SRKRGCRQLKPTGKEDTOTLQSLQENQELMKSLEGNLETFLPFGTENQEL 655
QY 264 TETAENGFRSF-----KRSDPNVPYHGVGYVAFAPATSAANDSELSSDALTD- 310
DB 656 VSSLOENLESLETALEKENOEPLRSPVGEDEALRPLTKENOEPLRS--LEDENKEAFRSL 713
QY 311 ---SMTDSSVDGVPYPMGSKKQLQ-----REMHRSVKAN 344
DB 714 EKENEQPLKTEEDQSI--VRPLETENHKSLSRLEEQDETTLTLEKETQORRSLGQ 771
QY 345 QGVSLPHPRTHRLPKEMTPVEPAFAAELISR-----LEKLE-LESRSISLEER 394
DB 772 DQMTL-----RPEKVDLEPLKSLDQETARPLENENOEPLKSLKEESVAVKSLTE 823
QY 395 LQIREDKEGSEQALSROGAPVQHPLALLPGSYEEDPQ-----TILDDHLRVLKT 449
DB 824 ILESLSAGQENLETLSKSPETOAPLWTPPEINKSGNRRKGNRTTGVCGSEPRDIQT 883
QY 450 PCCQSPGV---GRYSR---SRSPDHHQH---HHQCHTLLSTGGKLP 490
DB 884 PORGESGIIIEISGMEPEGEFISRGVDKESQORNLEENLGKGEYSLSRLEEGQELP 943
QY 491 PVA-----ACPLLG-----KSLTKQTTKHVVHHYIH 518
DB 944 QSAQVQRMEDTVEKDQELAQESPFGMAGVENKDEALNLRQDGTGHE----- 992
QY 519 HVAVPKTEEIEAEATQVRCLPCPGTDYCYCKSKSHPKAPEPLPGFQCGSRGGTLPK 578
DB 993 ---EVVEQELNATEEV--WFGP-----EGHPENPEP-----KEQGLVEG 1028
QY 579 RNAKTEPGLALSARDGMSAAGGPQLPBGEDRSQDVQWQMLESERQSKSPHSAQSI 638
DB 1029 ASVKGGAEL---QDPEGQQQVGTGLOAPQG-----LPEAIR-- 1064
QY 639 RKSVPLESARAAP--CERYSRHLLIGAS--CHRSVARAHP-----FTQDPAM 682
DB 1065 ---PLVEDDVAPEGDAQSPVMLGSEBPAMESAAGAEFGIQQGVGLDGPCHLTREVM 1120
QY 683 -PPLTPNTLAQ-----LEEACRRILAIEVSK-PQKORCCCVASQOORDNHSA-- 726
DB 1121 EPPLLEESLEAKRVQGLEGRPKDLEEAGGLGTSELSLPKSRDPWPEPPREGRESEAEAP 1180
QY 727 -GQAGASFANPSLAPEDHKEPKKLASVHA 755
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DB 1181 RGAEEAPPAETLGTGSDAPSPWPLGSEEA 1210

RESULT 5
US-11-132-687-2
; Sequence 2, Application US/11132687
; Publication No. US20060062769A1
; GENERAL INFORMATION:
; APPLICANT: Habener, Joel
; TITLE OF INVENTION: STEM CELLS AND THEIR USE IN TRANSPLANTATION
; FILE REFERENCE: 3284/1223B
; CURRENT APPLICATION NUMBER: US/11/132,687
; CURRENT FILING DATE: 2005-05-19
; PRIOR APPLICATION NUMBER: US 60/169,082
; PRIOR FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: US 60/215,109
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: US 60/238,880
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: US 09/731,255
; PRIOR FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1618
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-132-687-2

Query Match      3.4%; Score 151.5; DB 7; Length 1618;
Best Local Similarity 19.4%; Pred. No. 0.023;
Matches 180; Conservative 108; Mismatches 333; Indels 309; Gaps 42;

QY 21 APRPPVPGE-EGETPP---CQPSVGKVQSTKPM-----PVSSNARRNDEG 61
DB 395 APSPAVDIAIRAQDAPLSLLQTQGGKQAPELRAEVAIPASVLPGEPEEGQORQAS 454
QY 62 LGE-PEGRASPDSPITRWTKSLHSLGDDQDGAFLRT-----FLREKCVDTLD 109
DB 455 TCQSPEDHASLAPPLSPDHSSLEAKDGSGSRVFSICRGEQEGQIWLVEKETAIEG-- 512
QY 110 FWFACNGFQMNLDKTLRVAKAIYKRYIENNVSVVSKOLKPKATKYIRDGKKQOIGSV 169
DB 513 ---KVSSIQOEIWEEDLNKKEIQDSQVPLEKETLK--SLGEE 551
QY 170 MFDQAQTEIQAVMEENAYQVF-----LTSDIYLEYVRS-----GGENT 207
DB 552 IOESLKT-----LENQSHETLERENQECPRSLIED--LETLSLEKENKRAIKGCGSET 604
QY 208 AYMSNGGLGSLKVLGCLYPLTNEEBEWTCADLK---CKLSPTVVG-LSSKTLRATASVRS 263
DB 605 ---SRKRGCRQLKPTGKEDTOTLQSLQENQELMKSLEGNLETFLPFGTENQEL 655
QY 264 TETAENGFRSF-----KRSDPNVPYHGVGYVAFAPATSAANDSELSSDALTD- 310
DB 656 VSSLOENLESLETALEKENOEPLRSPVGEDEALRPLTKENOEPLRS--LEDENKEAFRSL 713
QY 311 ---SMTDSSVDGVPYPMGSKKQLQ-----REMHRSVKAN 344
DB 714 EKENEQPLKTEEDQSI--VRPLETENHKSLSRLEEQDETTLTLEKETQORRSLGQ 771
QY 345 QGVSLPHPRTHRLPKEMTPVEPAFAAELISR-----LEKLE-LESRSISLEER 394
DB 772 DQMTL-----RPEKVDLEPLKSLDQETARPLENENOEPLKSLKEESVAVKSLTE 823
QY 395 LQIREDKEGSEQALSROGAPVQHPLALLPGSYEEDPQ-----TILDDHLRVLKT 449
DB 824 ILESLSAGQENLETLSKSPETOAPLWTPPEINKSGNRRKGNRTTGVCGSEPRDIQT 883
QY 450 PCCQSPGV---GRYSR---SRSPDHHQH---HHQCHTLLSTGGKLP 490
DB 884 PORGESGIIIEISGMEPEGEFISRGVDKESQORNLEENLGKGEYSLSRLEEGQELP 943
```

QY 491 PVA-----ACPLGG-----KSFLLKQTKTHVHHYTH 518
DB 944 QSAVQWEDTVEKDQELAQESPPGMAGVENKDEALNLRQDGFYGE-----992
QY 519 HHAUPTKKEIEAEATQVRCLPCGGTDYCYCKSKHPKAPPLPGEQFCGSRGGLPK 578
DB 993 -----EVEQELNATEEV--WFFG-----EGHPNPEP-----KEQRLGVEG 1028
QY 579 RNAKGTPEGLALSARDGMSAAGGQPLPGEEDRSQDVQWMLSESRQSKPHSAQSI 638
DB 1029 ASVKGGAEL-----ODEGGSQQVGTGLOAPQ-----LPEAIE-- 1064
QY 639 RKSYPLESARAAP-GBRVRHLLGAS-GHSRSVARAHP-----FTQDPAM 682
DB 1065 ----PLVEDDVAPGDQAPSEVMGSEPMANGESAAGAEPLGQGVGLGDPGHLTREEVM 1120
QY 683 -PPLTPNTLAQ-----LEACRRLEAVSK-PKORCCVVASQORDNHSAA--- 726
DB 1121 BPPLSEESLEAKRVQGLEGRKDLAEAGGLGTFESLPGKSRDPWPBPREGRESEAEAP 1180
QY 727 -GOAGASPPANPSLAPEDHKPKKLASVHA 755
DB 1181 RGAEAFPAETLGTGSDAPSPWPLQSEEA 1210

RESULT 6
US-11-126-313-33
; Sequence 33, Application US/11126313
; Publication No. US20050288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joel
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 33
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-126-313-33

Query Match 3.4%; Score 149; DB 7; Length 2505;
Best Local Similarity 20.8%; Pred. No. 0.065;
Matches 103; Conservative 47; Mismatches 177; Indels 168; Gaps 23;
QY 274 FKRSDPNPHVGS-GYVAPATS-----ANDSEL--SSDALTDSSKSM-----TDS 317
DB 1988 FORMEPPSPTEGGPGQNALPSTQLDPPGALMAHESGLKESPSWVTQRAQEMFQKTGWS 2047
QY 318 SVDGVPPYRMGSKQLQ-----REMHRS-----VKANGQ---VSLPHFP-----RTHRL 358
DB 2048 PEGGPTDMPNSQSPNSQSVEMREMGKRDGYSDSEHYLPMEQGRAASMPRLPAENQRRGR 2107
QY 359 PK-----EMTPVEPAFAELIS-----RLEKLELESRHSLEERLQOIREDEK 404
DB 2108 PRGNLSTISDTSPMKRSASVLGPKARRLDYSLERVPEENQRH-----HQRDRDRSH 2161
QY 405 ESEQALSRDGNAPVOHPLALLPSGSYEEDPQTLLDHLRSVLKTPGCOSPGVGRYSRPS 464
DB 2162 RASERSL-----GRY--TDVDTGLGTLDS--MTTQSGDLPSKERDQERG 2201
QY 465 RSPDHHHHHHQOCHTLLSTGCKLPPVAACPLLGKSLFTKQTKHVVHHYTHHHAHPK 524
DB 2202 RPKDKRHHH-----HHHH-HHHPPPP 2224
QY 525 TKEEIEAEATQVRCLPCGGTDYCYCKSKHPKAPPLPGEQFCGSRGGLPKRNAKT 584
DB 2225 DXDRYAQRPDHGR-----ARARDQWRSRPSGREHMAHQGS-----SS 2265
QY 585 EPLGALSARDGMSAAGGQPLP-----GEEGDRSQDVQWMLSE 625

DB 2266 VSGSPAPSTSGTSTPRGRRLQPLQTFSTPRPHVSVPVIRKAGSGSPPO-----QOQOQOQ 2322
QY 626 ROSKSKP-HSAQIRKSYPLESARAAPGERVSRHLLGASGHSRSVARAHPFTQDPAMPP 684
DB 2323 QAVARPGAAATSGPRYPGPTAEPLAGDRPP-----TGGHSSG-----RSPMR 2368
QY 685 LTPPNTLAQLEBACR 699
DB 2369 RVGPARSESPRACR 2383

RESULT 7
US-11-096-568A-29371
; Sequence 29371, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 29371
; LENGTH: 496
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(496)
; OTHER INFORMATION: Ceres Seq. ID no. 4814589
US-11-096-568A-29371

Query Match 3.3%; Score 148; DB 7; Length 496;
Best Local Similarity 20.7%; Pred. No. 0.0077;
Matches 98; Conservative 42; Mismatches 132; Indels 202; Gaps 23;
QY 310 DMSMT-----DSSVDGVPPYRMGSKQLQREHRSVKANG-----QVSLPHFPPTH-- 356
DB 125 DELNITKVFGIDPDGTGYREILPLSLSIK-----EMFESVLINQSTLQTLKSLFGTFLP 180
QY 357 --RLPKEMTPVEP-AAFAELISLEKLELESRHSLEERLQQR-----EDEKEG 406
DB 181 EVLKFPGGITVIPPQSAPP-----LOKFKIVF--NFTLNYSHIQIINFNTLASOLKNG 232
QY 407 SEQA-----LSSRDGAPVQ-----HPLALLPSGSYEEDPQ----- 436
DB 233 LNLAPYENLYVLSNSEGSTVSPPTTVHSSVLLRVGTSSNSPRLKQLTDTITGSRSKNLG 292
QY 437 -----TILDDHLRSVLKTPGCOSPGVGRYSRPSRSPDHHHHHHHHQOCHT 481
DB 293 LNNITFGKVQVRLSFLPNSDSTKSPS-PSP-----SPHKKHHHHHHHHHHHHH- 345
QY 482 LLSTGCKLPPVAACPLLGKSLFTKQTKHVVHHYTHHHAHPKTKKEIE--AEATQVR 538
DB 346 -----HHNHHHHHNLSPKMAPEVSPVAPSRSR 377
QY 539 CLCPGGTDYCYCKSKHPKAPPLPGEQFC--GSRGGTLPKRNAGTSPGLALSARDG 596
DB 378 -----KRAPSAPP-----CNPGRNVHFKEKRVQSPSTPAPAPSA--- 412
QY 597 MSSAAGGQPLPGEEDRSQDVQWMLSESRQSKPHSAQIRKSYPLESARAAPGERVS 656
DB 413 -----GAPH--HOLHSPAPISAAS- 430
QY 657 RHLLGASGHSRSVARAHPFTQDPAMPLTPNTLAQLEACRRRLAEVSKPQKQ 710
DB 431 ---HIVDISAPLPHVFAH-----AAQPPITEPRE-----PHANEVAHPQPO 469

RESULT 8
US-11-096-568A-29370
; Sequence 29370, Application US/11096568A

```
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 29370
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(548)
; OTHER INFORMATION: Ceres Seq. ID no. 4814588
US-11-096-568A-29370

Query Match      3.3%; Score 148; DB 7; Length 548;
Best Local Similarity 20.7%; Pred. No. 0.0088;
Matches 98; Conservative 42; Mismatches 132; Indels 202; Gaps 23;

QY 310 DMSMT-----DSSVDGVPYRMGSKKQLQREHRSVKANG---QVSLPHFPRTH-- 356
DB 177 DELNITKVVGIDPDGTGYREILPLSLSSIK-----EMFESVLINQSTLQTKSLFGETFLF 232
QY 357 ---RLPKEMTPVEP--AFAAEALISLEKLELESRHSLEERLQOIR-----EDEKEG 406
DB 233 EVLKPEGGITVPPQSAPP-----LQFKIVF--NFTLNVYSIHOIQINFNTLASQLKNG 284
QY 407 SEQA-----LSSRDGAPVQ-----HPLALLPGSYEEDPQ----- 436
DB 285 LNLAPYENLYVLSNSEGSTVSPPTTVHSSVLLRVGTSSNPRLKQLTDTTITGSRSKNLG 344
QY 437 -----TILDDHLRSVLKTPGCQSPGVGRYSPRSRSPDHHHHOHHHQQOCHT 481
DB 345 LNTTIFGKVQVRLSSFLPNSDSSTKSPS--PSP-----SPHSKHHHHHHHHHHHHH- 397
QY 482 LLSTGGKLPVAAACPLLGKSFLLTKQTTKVHHHHYIHHHVPKTKKEIE---AEATORVR 538
DB 398 -----HHNHHHHHHNLSPKMAPEVSPVAPAPHSR 429
QY 539 CLCPGDTDYCYCKSKHPKAPPLPGEQFC--GSRGGTLPKRNAGKTGPGALASARDGG 596
DB 430 -----KRAPSAPP-----CNPGRNVHFKEKRVQFSSTPAPAPSA---- 464
QY 597 MSSAAGGQPLPGEEDRSQDVQWMLSEEROSKSPKSAQSIKSYPLESARAAPGERVS 656
DB 465 -----GAPH--HQLHSPAPISAAS----- 482
QY 657 RHHLGASGHSVARAHPTQDPAMPPLTPPNTLAQLEACRRLAEVSKPKQK 710
DB 483 --HIVPISAPLPHVVFAH-----AAQPPITEPRE-----PHANEVAHPQK 521

RESULT 9
US-11-096-568A-29369
; Sequence 29369, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 29369
; LENGTH: 684
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
```

```
; NAME/KEY: misc_feature
; LOCATION: (1)..(684)
; OTHER INFORMATION: Ceres Seq. ID no. 4814587
US-11-096-568A-29369

Query Match      3.3%; Score 148; DB 7; Length 684;
Best Local Similarity 20.7%; Pred. No. 0.012;
Matches 98; Conservative 42; Mismatches 132; Indels 202; Gaps 23;

QY 310 DMSMT-----DSSVDGVPYRMGSKKQLQREHRSVKANG---QVSLPHFPRTH-- 356
DB 313 DELNITKVVGIDPDGTGYREILPLSLSSIK-----EMFESVLINQSTLQTKSLFGETFLF 368
QY 357 ---RLPKEMTPVEP--AFAAEALISLEKLELESRHSLEERLQOIR-----EDEKEG 406
DB 369 EVLKPEGGITVPPQSAPP-----LQFKIVF--NFTLNVYSIHOIQINFNTLASQLKNG 420
QY 407 SEQA-----LSSRDGAPVQ-----HPLALLPGSYEEDPQ----- 436
DB 421 LNLAPYENLYVLSNSEGSTVSPPTTVHSSVLLRVGTSSNPRLKQLTDTTITGSRSKNLG 480
QY 437 -----TILDDHLRSVLKTPGCQSPGVGRYSPRSRSPDHHHHOHHHQQOCHT 481
DB 481 LNTTIFGKVQVRLSSFLPNSDSSTKSPS--PSP-----SPHSKHHHHHHHHHHHHH- 533
QY 482 LLSTGGKLPVAAACPLLGKSFLLTKQTTKVHHHHYIHHHVPKTKKEIE---AEATORVR 538
DB 534 -----HHNHHHHHHNLSPKMAPEVSPVAPAPHSR 565
QY 539 CLCPGDTDYCYCKSKHPKAPPLPGEQFC--GSRGGTLPKRNAGKTGPGALASARDGG 596
DB 566 -----KRAPSAPP-----CNPGRNVHFKEKRVQFSSTPAPAPSA---- 600
QY 597 MSSAAGGQPLPGEEDRSQDVQWMLSEEROSKSPKSAQSIKSYPLESARAAPGERVS 656
DB 601 -----GAPH--HQLHSPAPISAAS----- 618
QY 657 RHHLGASGHSVARAHPTQDPAMPPLTPPNTLAQLEACRRLAEVSKPKQK 710
DB 619 --HIVPISAPLPHVVFAH-----AAQPPITEPRE-----PHANEVAHPQK 657

RESULT 10
US-10-821-234-1039
; Sequence 1039, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Presclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt SEQ_genes Version 1.0
; SEQ ID NO 1039
; LENGTH: 578
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1039

Query Match      3.3%; Score 147.5; DB 6; Length 578;
Best Local Similarity 21.5%; Pred. No. 0.01;
Matches 104; Conservative 64; Mismatches 178; Indels 137; Gaps 24;

QY 214 GLGLKVLKCYLPTLN-----EEEWTCADLKCKLS-----PTVGLSSKTL-----RATA 259
DB 115 GKSPRLLCIEKVTYTDKPKKEEEDDSALPOEVSIASRSPSRGWSRSRTSVSRHRDTE 174
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DB 1377 AGSVDSQGAQBPXK-----ACDT-----C-----GRNFKFLGTL--R 1409
QY 514 HHYIHHAVPKTE-----EIEAATQVRCLCPGGTGYCYCKSKXHPKAPPLPGEQPC 569
DB 1410 HKKAHQCEPKEEAAAPSLNENGVRA-----VEGSPSPPEPEKEPAESLA 1456
QY 570 -----GSRGGTLPKNAKTEP-----GLALSARDGMSAAGGPOLPGEGRSDQVWQ- 619
DB 1457 IDPTPTREASVAKNEETEGTDEGTAERKGDGDKRPKTDSPKSMASKADKKKVCVSV 1516
QY 620 -----WMLES-ERQSKS-----KPHSAQSIKSYPLESA-----RAAPGERVSRHLLGAS 664
DB 1517 CNKRFWSQDLTRHMRSHGTGPYKQCERTFTLLKHSLVHRHQRHQXARHSKH- -G 1572
QY 665 GHSRSVARAHPPTQDPAMPPLTPPNTLAQLEACRRLAEVSKPQKQRCVASCQDRNHS 724
DB 1573 KDSKDERAEDESEDETHSATNPASENEASA-----PSTSNHVAVTRSRKESLS 1623
QY 725 AAG-----QAGSPFANPSLAPED-----HKEPKKLASV 753
DB 1624 TSGKCSPEERAAQAAPES-APKEODGETDQSPAAI 1661

RESULT 13
US-10-469-469-54
; Sequence 54, Application US/10469469
; Publication No. US20060079493A1
; GENERAL INFORMATION:
; APPLICANT: FRITZ, LAWRENCE C.
; TITLE OF INVENTION: METHODS FOR TREATING GENETICALLY-DEFINED PROLIFERATIVE
; FILE OF INVENTION: DISORDERS WITH HSP90 INHIBITORS
; FILE REFERENCE: CON-0010-USN
; CURRENT APPLICATION NUMBER: US/10/469,469
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: PCT/US02/06518
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: 60/272,751
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 2311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-469-469-54

Query Match 3.1%; Score 138; DB 6; Length 2311;
Best Local Similarity 18.6%; Pred. No. 0.36;
Matches 187; Conservative 103; Mismatches 324; Indels 390; Gaps 44;

QY 11 PDPSSSFREDAPRPV-----PGERGE---TPPCPSVGVKQVS---TKPMPVS 52
DB 1293 PAPKSSSEPPRPKVEKSEGVNSAPGPSKQATTPASRKSQVQSOPALVIPPQPT 1352
QY 53 SNARNE---DGLGEGRASPSPLTRWTKSLHLLGDQDQAYLFRFTFLERKCVDTLD 109
DB 1353 TGPPRKEVPKTPSEPK-KQGPPEPESGQKQKVAPRPSIPVKQPKKEKPPPV-- 1409
QY 110 FWFACNGFRQWNLKDTLRLVAKAIKYRIENSVSVKQKPAKTYIRDIGIKKQIGSV 169
DB 1410 -----NKGENAGTLNIFSTL-----SNGNSKQKIPA-----DGVHR-----I 1442
QY 170 MFDQAQTEIQVMEENAVOVELTSDIYLEYVVRSGENTAYVMSNGGLSKVLGVLPTLN 229
DB 1443 RVDPKQT-----YSNEVHCVEILKEMTHS-----WPPDL- 1472
QY 230 EEEWTCADKCKLSPTVVLGSSKTLRATASVRETAEANGFRSFKRSDPVNPHYVGS-- 287
DB 1473 -----GYVPAPATSANDELSALTDSDMSMTDSVDGVPVPMGSKKQLOREHRSVKA 343
QY 288 -----GYVPAPATSANDELSALTDSDMSMTDSVDGVPVPMGSKKQLOREHRSVKA 343

Query Match 3.1%; Score 137; DB 6; Length 748;
Best Local Similarity 35.4%; Pred. No. 0.085;
Matches 40; Conservative 16; Mismatches 47; Indels 10; Gaps 5;

DB 1501 ONQKYDTSSKTHSNSQOQTSSMLDD-LQLSDSEDS----- 1536
QY 344 NQCVSLPHFPRTLRHLPKEMTPVEPAFAAEALISRLKLEKLELESRHSLEERLQOIREDEE 403
DB 1537 -----DSEQTPKPPSSAP-PSAQSLPEPVASAHSSSAESESSTSDS 1580
QY 404 KEGSQALSSRD---GAPVQHPLALLPGSYVEEDPQTI---LDHLSRV-----LKTTP 450
DB 1581 SSSSESESSSSSENEPLETP-----APEPEPTTNKQMDNLTKVSSQLRHRQAP 1633
QY 451 GCOQFCVGRYS-----PSRS-----PDHH-----OHHHHQ 478
DB 1634 GAQSPHGTQVRVAAATVPRVRSILNPKILPKAPAKPPPEAPHPGKRSCOKSPAQOE 1693
QY 479 CHTLLSTGKLP--PVAACPILLGGKSL-----TKQTTKHVVHHYIHHAVP 523
DB 1694 PQQRTVGTQPKPKPVKASARAGSRSLQGEREPGLLPYGSRDQTSK-----DKPKV 1745
QY 524 KYKEIEAETQVRCLCPGGTDYCY-----SKKSHP-----KAPE-----P 562
DB 1746 KTKGRPRAAAGNEPKPAVPPSPSEKKHKSLLPAPSALSGLGPEPAKDNVEDRTPHFALVP 1805
QY 563 L---PGEQFCGSRGCT-----LPKNAK-----GTEPLALSAR- 593
DB 1806 LTESQGPSPHSGSSSRSTSGCROAVVQVDSRQDRPLPLRDTKLLSPLRDTPPQSLMVKI 1865
QY 594 -----DGMSSAAGGPOLPG-----BEGDRSDQVWQ 620
DB 1866 TLDLLSLRIPQPPKGSQRQKAEDKPPAGKXHSSEKSSDSSSLAKKXKGEARDCDNK 1925
QY 621 MLESROQSKPHSAQSIKSYPLESAR---AAPGERVSRHLLGASGHSRVARAHPPT 677
DB 1926 KIRLEKTSQSSSSSSSHK-----ESSKTPSRSSQSKKEMLPVPPVSS--S 1974
QY 678 QDPAMPPL-----TPPNTLAQLEACRRLAEVSKPQKORCCVASOORDNHS 725
DB 1975 QKPAKPAKRRRREADTCQDPPKASSTKSNHK---DSSIPKQRRVEGKGRSSSEHG 2031
QY 726 AQOAGSPFANPSLAPEDHKEP-----KKLASVH-----ALQ 757
DB 2032 SSGDTANFPFVPSL-PNGNSKPGKPVQKFDQADLHMREEKMKQKAEMLTDVRGKAPK 2090
QY 758 ASELVVTYFFCGEELPYRRMLKAQSLTLCHFKQSLKKGNYRY 801
DB 2091 YLEAVLSPIECG-----IATESQSQSKSAYSV 2119

RESULT 14
US-10-821-234-888
; Sequence 888, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt SEQ_genes Version 1.0
; SEQ ID NO 888
; LENGTH: 748
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-888

Query Match 3.1%; Score 137; DB 6; Length 748;
Best Local Similarity 35.4%; Pred. No. 0.085;
Matches 40; Conservative 16; Mismatches 47; Indels 10; Gaps 5;
```


664 NHTNDWGYHVPEDPWVIHAR-----FLKEGMFPFCVAHPSTHSSRVD-----LANDSS 712
 707 POKORCCVASQORDRNHSAAQAGASPFANPSLAPEDHKEPKLA-----SVHALQASE 760
 713 GARRSSTWTSTSSAGH---GVEGMPSEAGSVSEHDVNPDEAVIYMSIQLYSIDRDF 769
 761 LVVITYFCGEEIPYRMLKAQSLTLGHFKQLSKKNYR---YFKKASDEFACGAVFEE 817
 770 FVVDKFCAG-----YERLV---TNLVREIKASIPLSGSHOPPPHH-----QD 808
 818 IWDDE 822
 809 GWDDE 813

Search completed: April 20, 2006, 16:07:52
 Job time : 50.5435 secs

725 AAGAGASPFANPS--LAPEDHKEPKLASVHALQASELVVITYFCGEEIPY--RRLMKA 780
 1 AAGPRAPP---PSGRLGPAARAGARARAAGPARAMCETKIIYHLDGQETPYLVKPLPA 57
 781 QSLTLGHFKBQLSKKNYRYFFKASDEFACGAVFEEIWDDETIVLPMYEGRIL 833
 58 ERVTADFKGVL-QRPSYKFFKSMDDDF--GVVKEISDNNAKLPCFNGRVV 107

RESULT 15

US-11-087-099-950
 ; Sequence 950, Application US/11087099
 ; Publication No. US20060041961A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abad, Mark S. et al.
 ; TITLE OF INVENTION: Genes and Uses for Plant Improvement
 ; FILE REFERENCE: 38-21(53450)B EP
 ; CURRENT APPLICATION NUMBER: US/11/087,099
 ; CURRENT FILING DATE: 2005-03-22
 ; NUMBER OF SEQ ID NOS: 12464
 ; SEQ ID NO 950
 ; LENGTH: 880
 ; TYPE: PRT
 ; ORGANISM: Cochliobolus carbonum
 US-11-087-099-950

Query Match 3.1%; Score 136.5; DB 7; Length 880;
 Best Local Similarity 18.7%; Pred. No. 0.12;
 Matches 147; Conservative 96; Mismatches 295; Indels 247; Gaps 36;

138 YIENNSWSKQKLPATKTYIRD-GIKKQIG--SVMFDOAQTEIOAVMBENAYQVFLTSD 194
 176 YCHRHKIVHRDLXPNLLDHDNSVKIADFGLSNIMTDGNFLKSCGSPNYAAPEVISGK 235
 195 IYLEYVRSGENTAYMSNGL-----GSLKVLCCGYLPTLNEEEETWCADLKCLSPVTV 248
 236 LY-----AGPEVDVMSCGVILYVLLVGRLPFDDEYIPTLFKIIAAGQYSTPSYLSFGAT 289
 249 GLSSKTLRATSVRSYTAENGFRSFKRSDPNPNPHVGYGVFAPAPATSANDSELSSDAL 308
 290 SLIRKMLM-----VNPVH-----RITPELR 310
 309 DMSMTDSSVDGVPYRMGSKQLQREMHSVKANGQVSLPHFPRTHLPKEMTPEVA 368
 311 QDPWFTDLPAYLEPP-----AQEFFDSGADPNKAID-----PKALAPLADA 352
 369 ----AFAAELISREKLELESRSLSLEERLQO-----IREDEKEGSEQALS 412
 353 PRVQALHENVVTXKLGKTM--GYAKHDVQDALARDEPSAIKDAYLIVRENEMMR-ENPLLT 409
 413 SRDGAPOHPLALLPSGVEED--POTILDDHLSRVLKTGCGOSPGVGRYSPRSRSPDHH 470
 410 NQDGVVPMNHQSPPAUDSMEKFRPOS--NAVSRPOFIPPAFS-----DHE 454
 471 HQHHHQCHTLSTGGKLPVVAACPLLGKSFLLTKQTTKHVHHYIHH-----520
 455 RARQGSNASSQLASIRSPVSTIAILP-----SSLTE-----YHKAYMKGHPRPTNKISES 504
 521 -AVPKTKEIEABATQRVRLCPGGTDYCYCKSHPKA-----PEPLPGEQCGSRGGT 575
 505 EALPPTPEQTEQRIQISARLLKP-----NFRTPAAGRTKPEPMT-----S 545
 576 LPKRNAKGT-----EPGLALSARDGMSAAAGGPOLP-----GEEGDRSQDVMQ 619
 546 LPTKKPRATKWOQGISRNQPAEAMLAIFKALAMGADWEVPKIRRAGRSRGRSTSQ 605
 620 WMLESERQSKSPHSAQSI-----RKSYPLE-----SARAAFGERSVRH 658
 606 --APEDRKSKRNHSQDSISSHSDDEQSGSKSPREPLSVRNNGTSEQEARGRQKKHY 663
 659 HLLGASG-----HGRSVARAHPTQDPAMP--LTPPNTLAQLEACRRLAESVK 706

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:30:33 ; Search time 10.277 Seconds
(without alignments)
989.497 Million cell updates/sec

Title: US-09-587-574-2
Perfect score: 639
Sequence: 1 WTKSLHSLGDDGAYLFRFT.....VNEENAYQVFLTSDIYLEYV 123

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA*
1: /cgn2_6/ptodata/1/1aa/5 COMB.pap.*
2: /cgn2_6/ptodata/1/1aa/6 COMB.pap.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	407	63.7	127	2	US-08-890-865A-19
2	407	63.7	992	2	US-08-890-865A-1
3	406	63.5	855	2	US-08-890-865A-10
4	401	62.8	900	2	US-08-890-865A-4
5	186.5	29.2	235	2	US-09-244-314-2
6	186.5	29.2	235	2	US-09-498-959-2
7	186.5	29.2	235	2	US-09-894-749-2
8	177.5	27.8	235	2	US-09-244-314-4
9	177.5	27.8	235	2	US-09-498-959-4
10	177.5	27.8	235	2	US-09-894-749-4
11	172.5	27.0	519	2	US-10-113-794A-2
12	172.5	27.0	520	2	US-09-949-016-9918
13	169.5	26.5	120	2	US-08-890-865A-13
14	167.5	26.2	120	2	US-08-890-865A-11
15	167.5	26.2	211	1	US-08-748-483-4
16	167.5	26.2	211	2	US-09-949-016-6288
17	167.5	26.2	221	2	US-09-949-016-10608
18	167.5	26.2	930	2	US-10-113-794A-1
19	165	25.8	119	1	US-08-588-258B-31
20	165	25.8	119	2	US-08-460-505-31
21	165	25.8	119	4	PCT-US96-08295-31
22	165	25.8	196	1	US-08-829-110-5
23	165	25.8	196	1	US-08-748-483-3
24	165	25.8	196	2	US-09-702-705-339
25	165	25.8	196	2	US-09-736-457-339
26	165	25.8	196	2	US-09-614-124B-339
27	165	25.8	196	2	US-09-671-325-339

28	165	25.8	196	2	US-09-589-184-339	Sequence 339, App
29	165	25.8	196	2	US-09-658-824-339	Sequence 339, App
30	165	25.8	196	2	US-10-017-754-339	Sequence 339, App
31	165	25.8	196	2	US-09-651-563-339	Sequence 339, App
32	165	25.8	196	2	US-09-519-642-339	Sequence 339, App
33	165	25.8	200	2	US-09-949-016-10607	Sequence 10607, A
34	160	25.0	119	2	US-08-890-865A-18	Sequence 18, Appl
35	160	25.0	181	2	US-09-949-016-10741	Sequence 10741, A
36	160	25.0	243	1	US-08-829-110-3	Sequence 3, Appli
37	158	24.7	119	2	US-08-890-865A-15	Sequence 15, Appl
38	158	24.7	121	1	US-08-588-258B-32	Sequence 32, Appl
39	158	24.7	121	2	US-08-460-505-32	Sequence 32, Appl
40	158	24.7	121	4	PCT-US96-08295-32	Sequence 32, Appl
41	155.5	24.3	205	1	US-08-829-110-6	Sequence 6, Appli
42	155.5	24.3	205	1	US-08-748-483-5	Sequence 5, Appli
43	155.5	24.3	232	2	US-09-949-016-11200	Sequence 11200, A
44	154.5	24.2	181	1	US-08-748-483-1	Sequence 1, Appli
45	154.5	24.2	181	2	US-09-709-103-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-08-890-865A-19
; Sequence 19, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 127 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-19

Query Match 63.7%; Score 407; DB 2; Length 127;
Best Local Similarity 61.9%; Pred. No. 3e+43;
Matches 78; Conservative 21; Mismatches 23; Indels 4; Gaps 2;
QY 1 WTKSLHSLGDDGAYLFRFTFLERKCVDTLDFWACNGFRMNLKOT---KTLRVAKAI 57
Db 2 WAESLHSLDDGIGSLFRFTFLKQEGCADLLDFWACSGFRKLEPCDSNEERKLARAI 61
QY 58 YKRYI-ENNSVVSQKQKPKATYIRDIGIKQKQIGSVMPDQATQETQAVMEENAYQVFLTS 116

APPLICATION NUMBER: US/08/890,865A
FILING DATE: 10-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/54249
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 900 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-08-890-865A-4

Query Match 62.8%; Score 401; DB 2; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.4e-41;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;
QY 1 WTKLSHLLGDODGAYLFRFTFLERKCVDTLDFWACNGFRQMNLLKDT---KTLRVAKAI 57
DB 122 WAESLHLLDODGSLRFTFLKQGCADLLDFWFACTGFRKLEPCDSNEEKRLKLARAI 181
QY 58 KYRYI-ENNSVSVSKQKPKATKYIRDGIKKQOIGSVMFDOAQTEIQAVMEENAYQVFL 116
DB 182 YKYLDDNNGIVSRQTKPATKSFYKGCIMKQLIDPAMFDOAQTEIQAVMEENAYQVFL 241
QY 117 DIYLEY 122
DB 242 DIYLEY 247

RESULT 5
US-09-244-314-2
Sequence 2, Application US/09244314
Patent No. 6274362
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
APPLICANT: Yowe, David
TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
FILE REFERENCE: 5800-19, 035800/174680
CURRENT APPLICATION NUMBER: US/09/244,314
CURRENT FILING DATE: 1999-02-04
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 235
TYPE: PRT
ORGANISM: Homo sapiens
US-09-244-314-2

Query Match 29.2%; Score 186.5; DB 2; Length 235;
Best Local Similarity 34.6%; Pred. No. 3.6e-15;
Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;
QY 1 WTKLSHLLGDODGAYLFRFTFLERKCVDTLDFWACNGFR-----QMNLLKDTTLRVA 54
DB 83 WGESFDKLLSHRDGLAEFTFLKTFESENIEFWIACEDFKKSGPQQIHLK-----A 135
QY 55 KAIYKRYIENNSVSVSKQKPKATKYIRDGIKKQOIGSVMFDOAQTEIQAVMEENAYQVFL 114
DB 136 KAIYKRFIQTDPAPKEVNDLDFHTKEVITNSITQPTLHS--FDAAQSRVQLMEQDSYTRFL 193
QY 115 TSDIYLE 121
DB 194 KSDIYLD 200

RESULT 6

US-09-498-959-2
Sequence 2, Application US/09498959
Patent No. 6410240
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
APPLICANT: Yowe, David
TITLE OF INVENTION: RGS-Containing Molecules and Uses
TITLE OF INVENTION: Thereof
FILE REFERENCE: 5800-19A
CURRENT APPLICATION NUMBER: US/09/498,959
CURRENT FILING DATE: 2000-02-04
EARLIER APPLICATION NUMBER: 09/244,314
EARLIER FILING DATE: 1999-02-04
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 235
TYPE: PRT
ORGANISM: Homo sapiens
US-09-498-959-2

Query Match 29.2%; Score 186.5; DB 2; Length 235;
Best Local Similarity 34.6%; Pred. No. 3.6e-15;
Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;
QY 1 WTKLSHLLGDODGAYLFRFTFLERKCVDTLDFWACNGFR-----QMNLLKDTTLRVA 54
DB 83 WGESFDKLLSHRDGLAEFTFLKTFESENIEFWIACEDFKKSGPQQIHLK-----A 135
QY 55 KAIYKRYIENNSVSVSKQKPKATKYIRDGIKKQOIGSVMFDOAQTEIQAVMEENAYQVFL 114
DB 136 KAIYKRFIQTDPAPKEVNDLDFHTKEVITNSITQPTLHS--FDAAQSRVQLMEQDSYTRFL 193
QY 115 TSDIYLE 121
DB 194 KSDIYLD 200

RESULT 7
US-09-894-749-2
Sequence 2, Application US/09894749
Patent No. 6830914
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
APPLICANT: Yowe, David
TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
FILE REFERENCE: 5800-19, 035800/174680
CURRENT APPLICATION NUMBER: US/09/894,749
CURRENT FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: 09/244,314
PRIOR FILING DATE: 1999-02-04
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 235
TYPE: PRT
ORGANISM: Homo sapiens
US-09-894-749-2

Query Match 29.2%; Score 186.5; DB 2; Length 235;
Best Local Similarity 34.6%; Pred. No. 3.6e-15;
Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;
QY 1 WTKLSHLLGDODGAYLFRFTFLERKCVDTLDFWACNGFR-----QMNLLKDTTLRVA 54
DB 83 WGESFDKLLSHRDGLAEFTFLKTFESENIEFWIACEDFKKSGPQQIHLK-----A 135
QY 55 KAIYKRYIENNSVSVSKQKPKATKYIRDGIKKQOIGSVMFDOAQTEIQAVMEENAYQVFL 114
DB 136 KAIYKRFIQTDPAPKEVNDLDFHTKEVITNSITQPTLHS--FDAAQSRVQLMEQDSYTRFL 193
QY 115 TSDIYLE 121
DB 194 KSDIYLD 200

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Db      194 KSDIYLD 200

RESULT 8
US-09-244-314-4
; Sequence 4, Application US/09244314
; Patent No. 6274362
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
; FILE REFERENCE: 5800-19, 035800/174680
; CURRENT APPLICATION NUMBER: US/09/244,314
; CURRENT FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-244-314-4

Query Match      27.8%; Score 177.5; DB 2; Length 235;
Best Local Similarity 31.7%; Pred. No. 4.9e-14;
Matches 39; Conservative 28; Mismatches 53; Indels 3; Gaps 2;

QY      1 WTKLSHSLGDDGAYLFTFLERKCVDTLDFWACNGFROMNLKDTKTLRVAKAIYKR 60
DB      83 WAESFDKLLSHRDGVDAFTFLKTEFSEENIEFWACEDFKCK-EPQOIIILKAKAIYK 141
QY      61 YIENNSVVSQKLPATKTVIRDIGIKKQOIGSVMFQAOATEIOAVMEENAYQVFLTSDIYL 120
DB      142 FIQNDAPKEVNIIDFHTKEVIAKSIAOPTLHS--FDTAQRVYQLMEHDSYKRFKSETYL 199
QY      121 EYV 123
DB      200 HLI 202

RESULT 9
US-09-498-959-4
; Sequence 4, Application US/09498959
; Patent No. 6410240
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: RGS-Containing Molecules and Uses
; FILE REFERENCE: 5800-19A
; CURRENT APPLICATION NUMBER: US/09/498,959
; CURRENT FILING DATE: 2000-02-04
; EARLIER APPLICATION NUMBER: 09/244,314
; EARLIER FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-498-959-4

Query Match      27.8%; Score 177.5; DB 2; Length 235;
Best Local Similarity 31.7%; Pred. No. 4.9e-14;
Matches 39; Conservative 28; Mismatches 53; Indels 3; Gaps 2;

QY      1 WTKLSHSLGDDGAYLFTFLERKCVDTLDFWACNGFROMNLKDTKTLRVAKAIYKR 60
DB      83 WAESFDKLLSHRDGVDAFTFLKTEFSEENIEFWACEDFKCK-EPQOIIILKAKAIYK 141
QY      61 YIENNSVVSQKLPATKTVIRDIGIKKQOIGSVMFQAOATEIOAVMEENAYQVFLTSDIYL 120
DB      142 FIQNDAPKEVNIIDFHTKEVIAKSIAOPTLHS--FDTAQRVYQLMEHDSYKRFKSETYL 199
QY      121 EYV 123
DB      200 HLI 202

RESULT 10
US-09-894-749-4
; Sequence 4, Application US/09894749
; Patent No. 6810914
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
; FILE REFERENCE: 5800-19, 035800/174680
; CURRENT APPLICATION NUMBER: US/09/894,749
; CURRENT FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/244,314
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-894-749-4

Query Match      27.8%; Score 177.5; DB 2; Length 235;
Best Local Similarity 31.7%; Pred. No. 4.9e-14;
Matches 39; Conservative 28; Mismatches 53; Indels 3; Gaps 2;

QY      1 WTKLSHSLGDDGAYLFTFLERKCVDTLDFWACNGFROMNLKDTKTLRVAKAIYKR 60
DB      83 WAESFDKLLSHRDGVDAFTFLKTEFSEENIEFWACEDFKCK-EPQOIIILKAKAIYK 141
QY      61 YIENNSVVSQKLPATKTVIRDIGIKKQOIGSVMFQAOATEIOAVMEENAYQVFLTSDIYL 120
DB      142 FIQNDAPKEVNIIDFHTKEVIAKSIAOPTLHS--FDTAQRVYQLMEHDSYKRFKSETYL 199
QY      121 EYV 123
DB      200 HLI 202

RESULT 11
US-10-113-794A-2
; Sequence 2, Application US/10113794A
; Patent No. 6919313
; GENERAL INFORMATION:
; APPLICANT: Flanagan et al.
; TITLE OF INVENTION: B EPHRIN REGULATION OF G-PROTEIN COUPLED
; TITLE OF INVENTION: CHEMOATTRACTION
; FILE REFERENCE: 2535/106
; CURRENT APPLICATION NUMBER: US/10/113,794A
; CURRENT FILING DATE: 2002-04-01
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-113-794A-2

Query Match      27.0%; Score 172.5; DB 2; Length 519;
Best Local Similarity 32.5%; Pred. No. 6e-13;
Matches 40; Conservative 24; Mismatches 56; Indels 3; Gaps 2;

QY      1 WTKLSHSLGDDGAYLFTFLERKCVDTLDFWACNGFROMNLKDTKTLRVAKAIYKR 60
DB      391 WGESLEKLLVHKYGVAFQAFRLTFSEENIEFWACEDFKCKV-SQSMAKAKKIFAE 449
QY      61 YIENNSVVSQKLPATKTVIRDIGIKKQOIGSVMFQAOATEIOAVMEENAYQVFLTSDIYL 120
DB      450 YIAIQACEVNLDSYTRHTKDNL--QSVTRCCFDLAQKRIFGLMKDSYPRFLRSDLYL 507
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QY 121 EYV 123
DB 508 DLI 510

RESULT 12
US-09-949-016-9918
; Sequence 9918, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9918
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9918

Query Match 27.0%; Score 172.5; DB 2; Length 520;
Best Local Similarity 32.5%; Pred. No. 6e-13;
Matches 40; Conservative 24; Mismatches 56; Indels 3; Gaps 2;

QY 1 WTKSLHSLGDDGAYLFRTPFLERKCVDTLDFWACNGFRQNLKDTKTLRVAKAIYKR 60
DB 392 WGESLEKLLVHKYGLAVFQAFRLRTEFSEENLEFWLACEDFKVK-SQSKMASKAKKIFAE 450
QY 61 YIENNSVSKQLKPKATKYIRDIKKQIGSVMFQAOQTEIQAVMEENAYQVFLTSDIYL 120
DB 451 YIAQACEVNLDSYTRHTKDNL--QSVTRCFDLAQKRIFLGMEKDSYPRFLRSDLYL 508
QY 121 EYV 123
DB 509 DLI 511

RESULT 13
US-08-890-865A-13
; Sequence 13, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-890-865A-11

QY 1 WTKSLHSLGDDGAYLFRTPFLERKCVDTLDFWACNGFRQNLKDTKTLRVAKAIYKR 60
DB 392 WGESLEKLLVHKYGLAVFQAFRLRTEFSEENLEFWLACEDFKVK-SQSKMASKAKKIFAE 450
QY 61 YIENNSVSKQLKPKATKYIRDIKKQIGSVMFQAOQTEIQAVMEENAYQVFLTSDIYL 120
DB 451 YIAQACEVNLDSYTRHTKDNL--QSVTRCFDLAQKRIFLGMEKDSYPRFLRSDLYL 508
QY 121 EYV 123
DB 509 DLI 511

RESULT 14
US-08-890-865A-11
; Sequence 11, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-890-865A-11

; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-890-865A-13

Query Match 26.5%; Score 169.5; DB 2; Length 120;
Best Local Similarity 33.1%; Pred. No. 2e-13;
Matches 40; Conservative 23; Mismatches 55; Indels 3; Gaps 2;

QY 1 WTKSLHSLGDDGAYLFRTPFLERKCVDTLDFWACNGFRQNLKDTKTLRVAKAIYKR 60
DB 2 WGESLEKLLVHKYGLAVFQAFRLRTEFSEENLEFWLACEDFKVK-SQSKMASKAKKIFAE 60
QY 61 YIENNSVSKQLKPKATKYIRDIKKQIGSVMFQAOQTEIQAVMEENAYQVFLTSDIYL 120
DB 61 YIAQACEVNLDSYTRHTKDNL--QSVTRCFDLAQKRIFLGMEKDSYPRFLRSDLYL 118
QY 121 E 121
DB 119 D 119
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 42.7309 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-2

Perfect score: 639
Sequence: 1 WTKSLHSLGGDGGAYLFRFT.....VNEENAYQVFLTSDIYLEYV 123

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	624	97.7	843	5	US-10-723-860-1797
2	624	97.7	843	5	US-10-751-736-116
3	420	65.7	842	3	US-09-798-831-8
4	401	62.8	461	4	US-10-786-720-34
5	401	62.8	826	4	US-10-786-720-36
6	401	62.8	862	4	US-10-786-720-35
7	401	62.8	900	4	US-10-374-979-91
8	401	62.8	900	4	US-10-182-936A-91
9	401	62.8	900	5	US-10-477-238A-670
10	401	62.8	900	5	US-10-680-287A-670
11	401	62.8	900	5	US-10-477-173-670
12	401	62.8	912	4	US-10-092-900A-270
13	186.5	29.2	227	3	US-09-867-550-848
14	186.5	29.2	235	3	US-09-894-749-2
15	186.5	29.2	235	4	US-10-258-371B-20
16	186.5	29.2	235	5	US-10-989-054-2
17	184.5	28.9	119	4	US-10-087-684-107
18	184.5	28.9	119	4	US-10-218-779-107
19	181.5	28.4	916	5	US-10-899-422-13
20	181.5	28.4	1059	5	US-10-899-422-11
21	177.5	27.8	235	3	US-09-894-749-4
22	177.5	27.8	235	5	US-10-989-054-4
23	173.5	27.2	284	4	US-10-094-749-1650
24	172.5	27.0	519	4	US-10-113-794A-2
25	172.5	27.0	519	4	US-10-428-487-14
26	172.5	27.0	519	4	US-10-258-371B-28
27	172.5	27.0	591	4	US-10-108-260A-3970

28 172.5 27.0 776 4 US-10-087-192-1728 Sequence 1728, Ap
29 172.5 27.0 917 5 US-10-487-092-15 Sequence 15, Appl
30 167.5 26.2 211 3 US-09-206-639-4 Sequence 4, Appl
31 167.5 26.2 211 4 US-10-258-371B-24 Sequence 24, Appl
32 167.5 26.2 211 4 US-10-408-765A-493 Sequence 493, App
33 167.5 26.2 220 3 US-09-925-300-1507 Sequence 1507, Ap
34 167.5 26.2 930 4 US-10-113-794A-1 Sequence 1, Appl
35 165 25.8 196 3 US-09-206-639-3 Sequence 3, Appl
36 165 25.8 196 3 US-09-736-457-339 Sequence 339, App
37 165 25.8 196 3 US-09-902-941-339 Sequence 339, App
38 165 25.8 196 3 US-09-849-626-339 Sequence 339, App
39 165 25.8 196 3 US-09-476-300-339 Sequence 339, App
40 165 25.8 196 4 US-10-017-754-339 Sequence 339, App
41 165 25.8 196 4 US-10-113-872-339 Sequence 339, App
42 165 25.8 196 4 US-10-247-671-176 Sequence 176, App
43 165 25.8 196 4 US-10-283-017-339 Sequence 339, App
44 165 25.8 217 3 US-09-925-301-1292 Sequence 1292, Ap
45 165 25.8 923 4 US-10-114-270-152 Sequence 152, App

ALIGNMENTS

RESULT 1
US-10-723-860-1797
; Sequence 1797, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Naraeha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnick, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1797
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-1797

Query Match 97.7% Score 624; DB 5; Length 843;
Best Local Similarity 95.9%; Pred. No. 3.4e-60;
Matches 118; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 1 WTKSLHSLGGDGGAYLFRFTFLEREKCYDVTLDLDFWACNGFRQMLKDTKTLRVAKAIYKR 60
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Db 78 WTKSLHSLGGDGGAYLFRFTFLEREKCYDVTLDLDFWACNGFRQMLKDTKTLRVAKAIYKR 137
|||||
QY 61 YIENSVVSKQLKPATKYIIRDGIKKQIGSVWFDQATEIQAVNEENAYQVFLTSDIYL 120
|||||
Db 138 YIENSVVSKQLKPATKYIIRDGIKKQIGSVWFDQATEIQAVNEENAYQVFLTSDIYL 197
|||||
QY 121 EVV 123
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Db 198 EVV 200
|||

RESULT 2
US-10-751-736-116
; Sequence 116, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON

; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 116
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-751-736-116

Query Match 97.7%; Score 624; DB 5; Length 843;
Best Local Similarity 95.9%; Pred. No. 3.4e-60;
Matches 118; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAIYKR 60
Db 78 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAIYKR 137

QY 61 YIENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 120
Db 138 YIENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 197

QY 121 EYV 123
Db 198 EYV 200

RESULT 3
US-09-798-831-8
; Sequence 8, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; FILE REFERENCE: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; SIGNALING
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; PRIOR FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-798-831-8

Query Match 65.7%; Score 420; DB 3; Length 842;
Best Local Similarity 61.1%; Pred. No. 1.6e-37;
Matches 77; Conservative 25; Mismatches 20; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAI 57
Db 85 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAI 144

QY 58 YKRYI-ENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
Db 145 YKRYI-ENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 204

QY 117 DYLEY 122
Db 205 DYLEY 210

RESULT 4

US-10-786-720-34

; Sequence 34, Application US/10786720

; Publication No. US2004019181A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: O'Toole, Margot
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
; DISEASES
; FILE REFERENCE: 031896-023000 (AM101331L)
; CURRENT APPLICATION NUMBER: US/10/786,720
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 21135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-34

Query Match 62.8%; Score 401; DB 4; Length 461;
Best Local Similarity 62.7%; Pred. No. 9.7e-36;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAI 57
Db 134 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAI 193

QY 58 YKRYI-ENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
Db 194 YKRYI-ENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 253

QY 117 DYLEY 122
Db 254 DYLEY 259

RESULT 5

US-10-786-720-36
; Sequence 36, Application US/10786720
; Publication No. US2004019181A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: O'Toole, Margot
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
; DISEASES
; FILE REFERENCE: 031896-023000 (AM101331L)
; CURRENT APPLICATION NUMBER: US/10/786,720
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 21135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-36

Query Match 62.8%; Score 401; DB 4; Length 826;
Best Local Similarity 62.7%; Pred. No. 2e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAI 57
Db 85 WTKSLHSLGDDGAGYLFRFTFLERKCVDTLDFWFACNGFQWNLKDTKTLRVAKAI 144

QY 58 YKRYI-ENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
Db 145 YKRYI-ENNSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 204

QY 117 DYLEY 122
Db 205 DYLEY 210

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RESULT 6
US-10-786-720-35
; Sequence 35, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: O'Roole, Margot
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
; DISEASES
; FILE REFERENCE: 031896-023000 (AM101331L)
; CURRENT APPLICATION NUMBER: US/10/786,720
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 21135
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35
; LENGTH: 862
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-786-720-35

Query Match 62.8%; Score 401; DB 4; Length 862;
Best Local Similarity 62.7%; Pred. No. 2.1e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGQAYLFRFLEREKCVDTLDFWFCNGFRQNLKDT---KTLRVAKAI 57
DB 85 WAESLSLLDDGDISLFRFLKQEGCADLLDFWFACTGFRKLEPCDSNEEKRLKLARI 144
QY 58 YKRYI-ENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
DB 145 YRKYLDNNGIVSRQTKPATKSPKIGKIMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 204
QY 117 DIYLEY 122
DB 205 DIYLEY 210

RESULT 7
US-10-374-979-91
; Sequence 91, Application US/10374979
; Publication No. US20030219793A1
; GENERAL INFORMATION:
; APPLICANT: John P. Carulli et al.
; TITLE OF INVENTION: THE HIGH BONE MASS GENE OF 11q13.3
; FILE REFERENCE: 032796-021
; CURRENT APPLICATION NUMBER: US/10/374,979
; CURRENT FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: US 09/544,398
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/543,771
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/229,319
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 60/071,449
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: US 60/105,511
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-374-979-91

Query Match 62.8%; Score 401; DB 4; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGQAYLFRFLEREKCVDTLDFWFCNGFRQNLKDT---KTLRVAKAI 57
DB 122 WAESLSLLDDGDISLFRFLKQEGCADLLDFWFACTGFRKLEPCDSNEEKRLKLARI 181

RESULT 8
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040038860A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT APPLICATION NUMBER: US/10/182,936A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91

Query Match 62.8%; Score 401; DB 4; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGQAYLFRFLEREKCVDTLDFWFCNGFRQNLKDT---KTLRVAKAI 57
DB 122 WAESLSLLDDGDISLFRFLKQEGCADLLDFWFACTGFRKLEPCDSNEEKRLKLARI 181
QY 58 YKRYI-ENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
DB 182 YRKYLDNNGIVSRQTKPATKSPKIGKIMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 241
QY 117 DIYLEY 122
DB 242 DIYLEY 247

RESULT 9
US-10-477-238A-670
; Sequence 670, Application US/10477238A
; Publication No. US20040221326A1
; GENERAL INFORMATION:
; APPLICANT: Babi, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT APPLICATION NUMBER: US/10/477,238A
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
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QY 58 YKRYI-ENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
DB 182 YRKYLDNNGIVSRQTKPATKSPKIGKIMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 241
QY 117 DIYLEY 122
DB 242 DIYLEY 247

RESULT 8
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040038860A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT APPLICATION NUMBER: US/10/182,936A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91

Query Match 62.8%; Score 401; DB 4; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDGQAYLFRFLEREKCVDTLDFWFCNGFRQNLKDT---KTLRVAKAI 57
DB 122 WAESLSLLDDGDISLFRFLKQEGCADLLDFWFACTGFRKLEPCDSNEEKRLKLARI 181
QY 58 YKRYI-ENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
DB 182 YRKYLDNNGIVSRQTKPATKSPKIGKIMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 241
QY 117 DIYLEY 122
DB 242 DIYLEY 247

RESULT 9
US-10-477-238A-670
; Sequence 670, Application US/10477238A
; Publication No. US20040221326A1
; GENERAL INFORMATION:
; APPLICANT: Babi, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT APPLICATION NUMBER: US/10/477,238A
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
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; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-238A-670

Query Match          62.8%; Score 401; DB 5; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDQDGAYLFRFTLEREKCVDTLDFWFACTGFRKLEPCDSNEEKLKLARAI 57
Db 122 WAESLHSLDDQDGISLFRFTLEKQGCADLLDFWFACTGFRKLEPCDSNEEKLKLARAI 181

QY 58 YKRYI-ENNSVSVSKQLPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
Db 182 YRKYILDNNNGIVSRQTKPATKSPFKGCMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 241

QY 117 DIYLEY 122
Db 242 DIYLEY 247

RESULT 10
US-10-680-287A-670
; Sequence 670, Application US/10680287A
; Publication No. US20040244069A1
; GENERAL INFORMATION:
; APPLICANT: Babi, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-179
; CURRENT APPLICATION NUMBER: US/10/680,287A
; CURRENT FILING DATE: 2003-10-08
; PRIOR APPLICATION NUMBER: PCT/US02/14876
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-680-287A-670

Query Match          62.8%; Score 401; DB 5; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDQDGAYLFRFTLEREKCVDTLDFWFACTGFRKLEPCDSNEEKLKLARAI 57
Db 122 WAESLHSLDDQDGISLFRFTLEKQGCADLLDFWFACTGFRKLEPCDSNEEKLKLARAI 181

QY 58 YKRYI-ENNSVSVSKQLPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
Db 182 YRKYILDNNNGIVSRQTKPATKSPFKGCMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 241
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QY 117 DIYLEY 122
Db 242 DIYLEY 247

RESULT 11
US-10-477-173-670
; Sequence 670, Application US/10477173
; Publication No. US20050070699A1
; GENERAL INFORMATION:
; APPLICANT: Genome Therapeutics Corporation and
; APPLICANT: Allen, Kristina M.
; APPLICANT: Yaworsky, Paul
; APPLICANT: Morales, Arturo J.
; APPLICANT: Graham, James R.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: HBM Variants that Modulate Bone Mass and Lipid Levels
; FILE REFERENCE: 032796-135
; CURRENT APPLICATION NUMBER: US/10/477,173
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 1086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-173-670

Query Match          62.8%; Score 401; DB 5; Length 900;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSLHSLGDDQDGAYLFRFTLEREKCVDTLDFWFACTGFRKLEPCDSNEEKLKLARAI 57
Db 122 WAESLHSLDDQDGISLFRFTLEKQGCADLLDFWFACTGFRKLEPCDSNEEKLKLARAI 181

QY 58 YKRYI-ENNSVSVSKQLPKATKYIRDGIKKQIGSVMFDOAQTEIOAVMEENAYQVFLTS 116
Db 182 YRKYILDNNNGIVSRQTKPATKSPFKGCMKQLIDPAMFDQAQTEIOATMEENTYPSFLKS 241

QY 117 DIYLEY 122
Db 242 DIYLEY 247

RESULT 12
US-10-092-900A-270
; Sequence 270, Application US/10092900A
; Publication No. US20040043382A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Taupier Jr., Raymond J.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Li, Li
; APPLICANT: Zernusen, Bryan D.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Gorman, Linda
; APPLICANT: Miller, Charles E.
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Patturajan, Meera
; APPLICANT: Gangolli, Esha A.
```

APPLICANT: Vernet, Corine A.M.
APPLICANT: Guo, Xiaojia Sasha
APPLICANT: Tchernev, Velizar T.
APPLICANT: Fernandes, Elma R.
APPLICANT: Casman, Stacie J.
APPLICANT: Malyankar, Uriel M.
APPLICANT: Gerlach, Valerie
APPLICANT: Liu, Yi
APPLICANT: Anderson, David W.
APPLICANT: Spaderna, Steven K.
APPLICANT: Catterton, Elina
APPLICANT: Leite, Mario W.
APPLICANT: Zhong, Haihong
APPLICANT: Alsobrook, John P.
APPLICANT: Lepley, Denise M.
APPLICANT: Rieger, Daniel K.
APPLICANT: Burgess, Catherine E.
TITLE OF INVENTION: No. US20040043382A1el Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-290C
CURRENT APPLICATION NUMBER: US/10/092,900A
CURRENT FILING DATE: 2002-03-07
PRIOR APPLICATION NUMBER: USSN 60/274,322
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: USSN 60/283,675
PRIOR FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: USSN 60/338,092
PRIOR FILING DATE: 2001-12-03
PRIOR APPLICATION NUMBER: USSN 60/274,281
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: USSN 60/274,191
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: USSN 60/325,681
PRIOR FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: USSN 60/304,354
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: USSN 60/279,995
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: USSN 60/294,899
PRIOR FILING DATE: 2001-05-31
PRIOR APPLICATION NUMBER: USSN 60/287,424
PRIOR FILING DATE: 2001-04-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 768
SEQ ID NO 270
LENGTH: 912
TYPE: PRT
ORGANISM: Homo sapiens
US-10-092-900A-270

Query Match 62.8%; Score 401; DB 4; Length 912;
Best Local Similarity 62.7%; Pred. No. 2.3e-35;
Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;
QY 1 WTKSLHSLGDODGAYLFRFLERKCVDTLDFWACNGFRMNLKDT---KTLRVAKAI 57
DB 134 WABSLHSLDDDDGSLFRFLERKCVDTLDFWACNGFRMNLKDT---KTLRVAKAI 193
QY 58 YKRYI-ENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIQAVMEENAYQVFL 116
DB 194 YRKYILDNNGVSRQTKPKATKSFKGCIMKQLIDPAMFDQAQTEIQAVMEENAYQVFL 253
QY 117 DYLEY 122
DB 254 DYLEY 259

RESULT 13
US-09-867-550-848
Sequence 848, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Mehraban, Fuad,

APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells an
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USSN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 848
LENGTH: 227
TYPE: PRT
ORGANISM: Homo sapiens
US-09-867-550-848

Query Match 29.2%; Score 186.5; DB 3; Length 227;
Best Local Similarity 34.6%; Pred. No. 2.8e-12;
Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;
QY 1 WTKSLHSLGDODGAYLFRFLERKCVDTLDFWACNGFR-----QNNLKDTKTLRVA 54
DB 83 WGESFDKLLSHRDGLEAFTRFLKTFESENIEFWIACEDFKSKGPOQIHLK-----A 135
QY 55 KAIKRYIENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIQAVMEENAYQVFL 114
DB 136 KAIYEKFIQTDAPKEVNLDFHTKEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFL 193
QY 115 TSDIYLE 121
DB 194 KSDIYLD 200

RESULT 14
US-09-894-749-2
Sequence 2, Application US/09894749
Patent No. US20020081683A1
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
APPLICANT: Yows, David
TITLE OF INVENTION: RGS-Containing Molecules and Uses Thereof
FILE REFERENCE: 5800-19, 035800/174680
CURRENT APPLICATION NUMBER: US/09/894,749
CURRENT FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: 09/244,314
PRIOR FILING DATE: 1999-02-04
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 235
TYPE: PRT
ORGANISM: Homo sapiens
US-09-894-749-2

Query Match 29.2%; Score 186.5; DB 3; Length 235;
Best Local Similarity 34.6%; Pred. No. 2.9e-12;
Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;
QY 1 WTKSLHSLGDODGAYLFRFLERKCVDTLDFWACNGFR-----QNNLKDTKTLRVA 54
DB 83 WGESFDKLLSHRDGLEAFTRFLKTFESENIEFWIACEDFKSKGPOQIHLK-----A 135
QY 55 KAIKRYIENNSVSVSKQLKPKATKYIRDGIKKQIGSVMFDOAQTEIQAVMEENAYQVFL 114
DB 136 KAIYEKFIQTDAPKEVNLDFHTKEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFL 193
QY 115 TSDIYLE 121
DB 194 KSDIYLD 200

US-09-867-550-848
Sequence 848, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Mehraban, Fuad,

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RESULT 15
US-10-258-371B-20
; Sequence 20, Application US/10258371B
; Publication No. US20040067903A1
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS-GAGNON, Alison
; APPLICANT: MURRAY, David L
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING A NOVEL REGULATOR OF G PROTEIN SIGNALING,
; FILE REFERENCE: A3656 US PCT
; CURRENT APPLICATION NUMBER: US/10/258,371B
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: GB001883.334
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: US60/200,786
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-258-371B-20

Query Match      29.2%; Score 186.5; DB 4; Length 235;
Best Local Similarity 34.6%; Pred. No. 2.9e-12;
Matches 44; Conservative 25; Mismatches 43; Indels 15; Gaps 3;

QY 1 WTKSLHSLGDDGGAYLFTFLERKCVDTLDFWACNGFR-----QNNLKDTKTLRVA 54
DB 83 WGESFDKLLSHRDGLEAFTFLKTEFSEENIEFWIACEDFKSKGPGQIHLK-----A 135
QY 55 KAIYKRYIENNSVSKLPATKYIRDGKKQIGSVNFDQAQTEIOAVMEENAYQVEL 114
DB 136 KAIYKRFIOTAPKEVNLDFHTKEVITNSITQPTLHS--FDAAQSRVYQLMEQDSYTRFL 193
QY 115 TSDIYLE 121
DB 194 KSDIYLD 200
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Search completed: April 20, 2006, 16:06:45
Job time : 43.7309 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 20, 2006, 16:00:23 ; Search time 6.8153 Seconds
(without alignments)

794.148 Million cell updates/sec

Title: US-09-587-574-2

Perfect score: 639
Sequence: 1 WTKSHLSLLGDGDGAYLFRFT.....VMEENAYQVFLTSDIYLEYV 123

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 225428 seqs, 44002918 residues

Total number of hits satisfying chosen parameters: 225428

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications_AA_New:*
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2: /SIDSS/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
3: /SIDSS/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	401	62.8	900	6	US-10-501-035-215
2	167.5	26.2	211	6	US-10-501-035-208
3	167.5	26.2	211	7	US-11-169-041-234
4	74.5	11.7	662	7	US-11-137-131-2
5	74.5	11.7	662	7	US-11-137-131-4
6	71.5	11.2	285	7	US-11-096-568A-3946
7	71.5	11.2	344	7	US-11-096-568A-3945
8	71	11.1	689	7	US-11-113-424-46
9	70.5	11.0	691	7	US-11-098-686-10183
10	70	11.0	430	7	US-11-079-463-7120
11	70	11.0	559	7	US-11-188-298-20062
12	70	11.0	688	7	US-11-113-424-49
13	70	11.0	688	7	US-11-040-218-25
14	69.5	10.9	247	7	US-11-096-568A-3947
15	69	10.8	312	6	US-10-506-454-1069
16	69	10.8	459	7	US-11-045-004-835
17	69	10.8	688	7	US-11-113-424-48
18	69	10.8	688	7	US-11-040-218-27
19	69	10.8	1032	6	US-10-467-657-3278
20	68	10.6	395	7	US-11-188-298-10115
21	67	10.5	230	7	US-11-098-686-10988
22	67	10.5	868	7	US-11-079-463-8350
23	66.5	10.4	656	7	US-11-079-463-7123
24	66.5	10.4	753	7	US-11-188-298-14664
25	66	10.3	300	7	US-11-045-004-1489

ALIGNMENTS

RESULT 1

US-10-501-035-215

; Sequence 215, Application US/10501035

; Publication No. US20060046249A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDES AND POLYPEPTIDE FOR PREDICTING

; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE

; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS

; FILE REFERENCE: D0185 PCT

; CURRENT APPLICATION NUMBER: US/10/501,035

; CURRENT FILING DATE: 2004-07-09

; PRIOR APPLICATION NUMBER: US 60/350,061

; PRIOR FILING DATE: 2002-01-18

; NUMBER OF SEQ ID NOS: 795

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 215

; LENGTH: 900

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-501-035-215

Query Match 62.8%; Score 401; DB 6; Length 900;

Best Local Similarity 62.7%; Pred. No. 3.9e-35; Mismatches 17; Indels 4; Gaps 2;

Matches 79; Conservative 17; Mismatches 26; Indels 4; Gaps 2;

QY 1 WTKSHLSLLGDGDGAYLFRFTFLEREKCVDTLDFWACNGFGRONLKD---KTLRVAKAI 57

Db 122 WAESLSLLDQDGLSLFTFLKQSGCADDLDFWACTGFRKLEPCDSNEERKLARAI 181

QY 58 YKRYI-ENNVSVSKOLKPKATKYIRDGKKGQIGSVWFDQAOTEQAVMEENAYQVFLTS 116

Db 182 YKRYILDNNGIVSRQTKPATKSFKGKIMKQLIDPAMFDQAOTEQATTEENTYPSFLKS 241

QY 117 DIYLEY 122

Db 242 DIYLEY 247

RESULT 2

US-10-501-035-208

; Sequence 208, Application US/10501035

; Publication No. US20060046249A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDES FOR PREDICTING

; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE

; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS

QY 26 KCVTLDFWACGPFQMLK--DTKTLRVAKAIYKRYIENNSVSKQKPKATKYIRDG 83
Db 601 KDFSSQTFWEKN-YRQNLNLTINISLQSKPLYSYLO-----G 640
QY 84 IKKQOIGS---VNFDOAQTEIOAVMEENAYQVFLTSDIY 119
Db 641 YKNDIYSETGISFEYTIINDVLTIHARNGFTLHNMKNIF 679

RESULT 10
US-11-079-463-7120
; Sequence 7120, Application US/11079463
; Publication No. US20060073161A1
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO BACTEROIDES FR
; FILE REFERENCE: FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/11/079,463
; CURRENT FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/128,705
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: US 09/540,209
; PRIOR FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 10444
; SEQ ID NO 7120
; LENGTH: 430
; TYPE: PRT
; ORGANISM: B.fragilis
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (70)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unknc
US-11-079-463-7120

Query Match 11.0%; Score 70; DB 7; Length 430;
Best Local Similarity 25.0%; Pred. No. 10;
Matches 30; Conservative 15; Mismatches 29; Indels 46; Gaps 7;

QY 6 HSLGPDGAYLF-----RTELEK---CVDTL-----FWPAC--- 37
Db 261 HSYQGSRAEVARLGVAETEYTGIRUKNGTCVERLEDEFDVDPDLAQTFVTCALL 320
QY 38 -----NGFRQMLKDTKTLRVAKAIYK--YI---ENNSVVS-----KQKPKATKY 79
Db 321 NVPFRTGLQSLKIKETRIEALKTEMKGLYLHKNDLSILSDGERVEQQTCPVIKY 380

RESULT 11
US-11-188-298-20062
; Sequence 20062, Application US/11188298
; Publication No. US20060075522A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53452)B
; CURRENT APPLICATION NUMBER: US/11/188,298
; CURRENT FILING DATE: 2005-07-22
; PRIOR APPLICATION NUMBER: 60/592,978
; PRIOR FILING DATE: 2004-07-31
; NUMBER OF SEQ ID NOS: 22569
; SEQ ID NO 20062
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Bacillus cereus ATCC 14579
US-11-188-298-20062

Query Match 11.0%; Score 70; DB 7; Length 559;
Best Local Similarity 24.0%; Pred. No. 14;
Matches 30; Conservative 25; Mismatches 42; Indels 28; Gaps 7;

QY 1 WTKLSHSLGDDQAGYLFRTFLEREKCVDTLDFWACGPFQMLKDTKTLRVAKAIY 58

Db 192 WAKN-----IGFLDLAHGFSIAMKE-----IDFKIEARNEFQVSDSLKNSKTKVKIPKY 232
QY 59 KYIENNSVSKQKPKATKYIRDGIIKKQIGSVNMFDOAQTEIOAVMEENAYQVFLTSDI 118
Db 233 KKYISNKILVLEFL-----DGVSVKS--GSALLNELQIDTKKVQR-----QLF---DC 275
QY 119' VLEYV 123
Db 276 ILEQI 280

RESULT 12
US-11-113-424-49
; Sequence 49, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 49
; LENGTH: 688
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-49

Query Match 11.0%; Score 70; DB 7; Length 688;
Best Local Similarity 20.5%; Pred. No. 18;
Matches 23; Conservative 27; Mismatches 58; Indels 4; Gaps 3;

QY 14 GAYLPRTEL--EREKCVDTLDFWACGPFQMLKDTKTLRVAKAIYKRYIENNSV-VSK 70
Db 64 GFLLPKDFCLNEINEAVPQVKEEIEKYEKLDNEEDLRCR-SRQIYDAYINKELSCSH 122
QY 71 QLKPKATKYIRDGIIKKQIGSVNMFDOAQTEIOAVMEENAYQVFLTSDIY 122
Db 123 PPSQAVEHVQSHLSKKQVTLTFQPIYBEICESLGRGDFQKFMESDKPTRF 174

RESULT 13
US-11-040-218-25
; Sequence 25, Application US/11040218
; Publication No. US20060029983A1
; GENERAL INFORMATION:
; APPLICANT: OAKLEY, ROBERT H.
; APPLICANT: HUDSON, CHRISTINE C.
; TITLE OF INVENTION: CONSTITUTIVELY TRANSLOCATING CELL LINE
; FILE REFERENCE: NRK.108
; CURRENT APPLICATION NUMBER: US/11/040,218
; CURRENT FILING DATE: 2005-01-21
; PRIOR APPLICATION NUMBER: US/10/788,197
; PRIOR FILING DATE: 2004-02-26

APPLICANT: Kozyavkin, Sergei A
TITLE OF INVENTION: The Complete Genome and Protein Sequences of the Hyperthermophilic Methanopyrus Kandleri AV19 and Monophyly of Archaeal Methanogen
FILE REFERENCE: FID001
CURRENT APPLICATION NUMBER: US/10/506,454
CURRENT FILING DATE: 2004-08-31
PRIOR APPLICATION NUMBER: PCT/US03/06664
PRIOR FILING DATE: 2003-03-04
PRIOR APPLICATION NUMBER: 60/361,742
PRIOR FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 1722
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1069
TYPE: PRT
ORGANISM: Methanopyrus kandleri
US-10-506-454-1069

Query Match 11.0%; Score 70; DB 7; Length 688;
Best Local Similarity 20.5%; Pred. No. 18;
Matches 23; Conservative 27; Mismatches 58; Indels 4; Gaps 3;

QY 14 GAYLFRFTL--BREKCVDTLDFWACNGFRQNLKDTKTLRVAKAIYKRYIENNSV-VSK 70
DB 64 GFLPKDFCLNEINAEVPPQVFEYEEIKLNEEDRLCR-SRQIYDAYIMKLLSCSH 122
QY 71 QLKPKATKYIRDGIIKQKQIYVMEFQAOEIOAVMEENAYQVFLTSDIYLEY 122
DB 123 PFSQKAVEHVQSHLSKKQVSTLFPQYIEECESLRGDIQKFMESDKFTRF 174

RESULT 14
US-11-096-568A-3947
Sequence 3947, Application US/11096568A
Publication No. US20060048240A1
GENERAL INFORMATION:
APPLICANT: Alexandrov, Nikolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
FILE REFERENCE: 2750-1592BUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 3947
LENGTH: 247
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(247)
OTHER INFORMATION: Ceres Seq. ID no. 13594272
US-11-096-568A-3947

Query Match 10.9%; Score 69.5; DB 7; Length 247;
Best Local Similarity 27.4%; Pred. No. 5.6;
Matches 23; Conservative 16; Mismatches 34; Indels 11; Gaps 3;

QY 37 CNGFQMLKDTKTLRVAKAIYKRYIENNSVSKOLKPKATKYIRDGIIKQKQIGSVMFQ 96
DB 6 CNGVEGVNLKE-----ITNEKISNSMCLYLDWNPFA-TSITVGLSDGSVTSVFL 55
QY 97 AOTEIOAVMEENAYQVFLTS-DIY 119
DB 56 SKLEIQEWEKANDYELWTTSFDIH 79

RESULT 15
US-10-506-454-1069
Sequence 1069, Application US/10506454
Publication No. US20060068386A1
GENERAL INFORMATION:
APPLICANT: Slesarev, Alexi I
APPLICANT: Mezhevaya, Katja V
APPLICANT: Polushin, Nikolai N
APPLICANT: Shcherbinina, Olga V
APPLICANT: Shakhova, Vera V
APPLICANT: Malykh, Andrei G

Query Match 10.8%; Score 69; DB 6; Length 312;
Best Local Similarity 28.6%; Pred. No. 8.6;
Matches 20; Conservative 15; Mismatches 25; Indels 10; Gaps 3;
QY 43 MNLKDTKT-LRVAKAIYKRYIENNSV-----SKQL-----KPKATKYIRDGIIKQKQIGSV 92
DB 17 LDREDEVTLRVARFKERYLAGERVIPILEGKTLGLIPEKPKSTRTRVSVFVAMHQLGGQ 76
QY 93 MFDQAQTEIQ 102
DB 77 AFTYTKQELQ 86

Search completed: April 20, 2006, 16:07:55
Job time : 7.8153 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:30:33 ; Search time 4.51187 Seconds
(without alignments)
989.497 Million cell•updates/sec

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Title: US-09-587-574-3
Perfect score: 272
Sequence: 1 ANGVSLPHFPRTHRLPKEM.....RLEKLUKLESHSLERLQ 54

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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 suggestions

Database : Issued Patents AA:*

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1: /cgn2_6/prodata/1/iaa/5_COMB.psp.*
2: /cgn2_6/prodata/1/iaa/6_COMB.psp.*
3: /cgn2_6/prodata/1/iaa/H_COMB.psp.*
4: /cgn2_6/prodata/1/iaa/PCTUS_COMB.psp.*
5: /cgn2_6/prodata/1/iaa/RE_COMB.psp.*
6: /cgn2_6/prodata/1/iaa/backfiles1.psp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query			ID	Description
	Score	Match	Length		
1	157.5	57.9	855	2	US-08-890-865A-10
2	142.5	52.4	992	2	US-08-890-865A-1
3	141.5	52.0	900	2	US-08-890-865A-4
4	69.5	25.6	271	2	US-09-252-991A-26051
5	65	23.9	462	1	US-08-458-023B-2
6	65	23.9	463	2	US-09-111-556A-2
7	65	23.9	463	2	US-08-360-758-2
8	61	22.4	392	2	US-09-902-540-15206
9	60	22.1	188	2	US-09-902-540-13932
10	59.5	21.9	222	2	US-09-902-540-13429
11	58.5	21.5	277	2	US-09-248-796A-21807
12	58.5	21.5	1061	2	US-10-200-013-4
13	57	21.0	392	2	US-09-949-016-6078
14	57	21.0	832	2	US-09-758-282B-251
15	57	21.0	832	2	US-09-758-282B-268
16	57	21.0	832	2	US-09-577-304A-251
17	57	21.0	832	2	US-09-577-304A-268
18	57	21.0	838	2	US-09-758-282B-261
19	57	21.0	838	2	US-09-758-282B-265
20	57	21.0	838	2	US-09-577-304A-261
21	57	21.0	838	2	US-09-577-304A-265
22	56.5	20.8	320	2	US-09-252-991A-30322
23	56.5	20.8	320	2	US-09-107-433-2791
24	56.5	20.8	534	1	US-08-317-401E-2
25	56.5	20.8	552	1	US-08-317-401E-4
26	56	20.6	288	2	US-09-270-767-43786
27	56	20.6	558	2	US-09-252-991A-16908

28	56	20.6	607	2	US-09-902-540-11516	Sequence 11516,
29	56	20.6	2584	2	US-08-936-135-4	Sequence 4, Appli
30	56	20.6	2588	2	US-08-936-135-4	Sequence 2, Appli
31	55.5	20.4	165	2	US-09-248-796A-21780	Sequence 21780, A
32	55	20.2	425	2	US-09-902-540-16283	Sequence 16283, A
33	54.5	20.0	411	2	US-09-252-991A-30513	Sequence 30513, A
34	54.5	20.0	489	2	US-09-107-532A-4711	Sequence 4711, Ap
35	54	19.9	578	2	US-08-981-215-1	Sequence 1, Appli
36	54	19.9	640	2	US-09-873-404-2	Sequence 2, Appli
37	54	19.9	640	2	US-10-243-735-2	Sequence 2, Appli
38	54	19.9	654	2	US-09-940-921B-4	Sequence 4, Appli
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40	54	19.9	1053	2	US-09-328-332-5058	Sequence 5058, Ap
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42	53.5	19.7	240	2	US-09-543-681A-4396	Sequence 4396, Ap
43	53.5	19.7	242	2	US-09-543-681A-8329	Sequence 8329, Ap
44	53.5	19.7	439	2	US-09-442-143A-2	Sequence 2, Appli
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Query Match      57.9%; Score 157.5; DB 2; Length 855;
Best Local Similarity 59.3%; Pred. No. 3.2e-11;
Matches 32; Conservative 11; Mismatches 10; Indels 1; Gaps 1;

QY      1  ANGQVSLPFPFTRHLRPEKMTVPPEAAFAAELISRLKLEKLESLRHSLEERLQ 54
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      376  ANGRVPLPHIPTRYMPKDI-HVEPPKFAAELINRLVEVQKREAEKLEERLK 428

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RESULT 2
US-08-890-865A-1
; Sequence 1, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 992 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-1

Query Match 52.4%; Score 142.5; DB 2; Length 992;
Best Local Similarity 56.6%; Pred. No. 2.8e-09;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 2 NQGVSLPHFPRTHRLPKEMTPVEPAFAAEALISRLKLEKLESHRSLSERLQ 54
||:|||||:||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 492 NGRVLPHPRTYRMPKEIR-VEPOKFAELIHRLEAVORTREAEKLEERLK 543

RESULT 3
US-08-890-865A-4
; Sequence 4, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 992 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-1

Query Match 52.4%; Score 142.5; DB 2; Length 992;
Best Local Similarity 56.6%; Pred. No. 2.8e-09;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 2 NQGVSLPHFPRTHRLPKEMTPVEPAFAAEALISRLKLEKLESHRSLSERLQ 54
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DB 492 NGRVLPHPRTYRMPKEIR-VEPOKFAELIHRLEAVORTREAEKLEERLK 543
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; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 900 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-4

Query Match 52.0%; Score 141.5; DB 2; Length 900;
Best Local Similarity 56.6%; Pred. No. 3.3e-09;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 2 NQGVSLPHFPRTHRLPKEMTPVEPAFAAEALISRLKLEKLESHRSLSERLQ 54
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DB 400 NGRVLPHPRTYRVPKEVR-VEPOKFAELIHRLEAVORTREAEKLEERLK 451

RESULT 4
US-09-252-991A-26051
; Sequence 26051, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26051
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-26051

Query Match 25.6%; Score 69.5; DB 2; Length 271;
Best Local Similarity 32.1%; Pred. No. 0.78;
Matches 18; Conservative 10; Mismatches 13; Indels 15; Gaps 2;

QY 1 ANQGVSLPHFPRTHRLPKEMTPVEPAFAAEALISRLKLEKLESHRSLSERLQ 52
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DB 198 ANGELTSLH-----VPAEPAGYWLLELVRLTLDTGTVVLSGKHAQEW 242

RESULT 5
US-08-458-023B-2
; Sequence 2, Application US/08458023B
; Patent No. 5667990
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Yoder, Wendy
; APPLICANT: Takagi, Shinobu
; APPLICANT: Boominathan, Karuppan C.
; TITLE OF INVENTION: ASPERGILLUS EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5667990o No. 5667990disk of No. 5667990th America., Inc.
; STREET: 405 Lexington Avenue
; CITY: New York
```

```
STATE: New York
COUNTRY: USA
ZIP: 10174-6201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,023B
FILING DATE: 01-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lowney Dr., Karen A.
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 4086.010-US
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 462 amino acids
TYPE: amino acid
STRANDEDNESS: linear
MOLECULE TYPE: protein
US-08-458-023B-2

Query Match 23.9%; Score 65; DB 1; Length 462;
Best Local Similarity 48.3%; Pred. No. 5.3;
Matches 14; Conservative 5; Mismatches 8; Indels 2; Gaps 1;

QY 1 ANGQVSLPHFPR--THRLPKEMTPVEPAA 27
Db 336 ASYTVSVKPFPRFIWHAIDFIVPQPAA 364

RESULT 6
US-09-111-556A-2
Sequence 2, Application US/09111556A
Patent No. 6020180
GENERAL INFORMATION:
APPLICANT: Svendsen, Allan
APPLICANT: Pathar, Shankant A
APPLICANT: Egel-Mitani, Michi
APPLICANT: Borch, Kim
APPLICANT: Clausen, Ib G
APPLICANT: Hansen, Mogens T
TITLE OF INVENTION: C. ANTARCTICA LIPASE AND LIPASE VARIANTS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6020180 of No. 6020180disk of No. 6020180th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Tape
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,556A
FILING DATE: 22-DEC-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK PCT/DK93/00225
FILING DATE: 03-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3748.214-US
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 463 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-360-758-2

Query Match 23.9%; Score 65; DB 2; Length 463;
Best Local Similarity 48.3%; Pred. No. 5.3;
Matches 14; Conservative 5; Mismatches 8; Indels 2; Gaps 1;

QY 1 ANGQVSLPHFPR--THRLPKEMTPVEPAA 27
Db 336 ASYTVSVKPFPRFIWHAIDFIVPQPAA 364

RESULT 7
US-08-360-758-2
Sequence 2, Application US/08360758
Patent No. 6074863
GENERAL INFORMATION:
APPLICANT: Svendsen, Allan
APPLICANT: Pathar, Shankant A
APPLICANT: Egel-Mitani, Michi
APPLICANT: Borch, Kim
APPLICANT: Clausen, Ib G
APPLICANT: Hansen, Mogens T
TITLE OF INVENTION: C. ANTARCTICA LIPASE AND LIPASE VARIANTS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6074863 of No. 6074863disk of No. 6074863th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Tape
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/360,758
FILING DATE: 22-DEC-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK PCT/DK93/00225
FILING DATE: 03-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3748.204-US
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 463 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-360-758-2

Query Match 23.9%; Score 65; DB 2; Length 463;
Best Local Similarity 48.3%; Pred. No. 5.3;
Matches 14; Conservative 5; Mismatches 8; Indels 2; Gaps 1;

QY 1 ANGQVSLPHFPR--THRLPKEMTPVEPAA 27
Db 336 ASYTVSVKPFPRFIWHAIDFIVPQPAA 364
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, SEQ ID NO 4
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, LENGTH: 1061
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, TYPE: prt
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ORGANISM: Human
US-10-200-012-4

Query Match 21.5%; Score 58.5; DB 2; Length 1061;
Best Local Similarity 34.0%; Pred. No. 90;
Matches 16; Conservative 10; Mismatches 16; Indels 5; Gaps 2;
Qy 4 QVSLPHFRTHRL---PKEMTPVP--AAFAAELISRLKLELES 45
Db 383 QSSLEHEPETHLQPOHEESVWPTQSTLTADDMMRAKRIRLELQN 429

RESULT 13
US-09-949-016-6078
; Sequence 6078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6078
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6078

Query Match 21.0%; Score 57; DB 2; Length 392;
Best Local Similarity 36.7%; Pred. No. 43;
Matches 18; Conservative 9; Mismatches 14; Indels 8; Gaps 3;
Qy 11 PRTHRLPKEMTPVP---AAFAAELISRLKLELES-SRHSLEERLQ 54
Db 289 PRTRKLKKKXNKEDKRPTAFTAB---OLORLKAEFOANRYITEQRQ 334

RESULT 14
US-09-758-282B-251
; Sequence 251, Application US/09758282B
; Patent No. 6635463
; GENERAL INFORMATION:
; APPLICANT: Ma, Wu-Po
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamicheva, Natalie E.
; APPLICANT: Allawi, Hatim T.
; APPLICANT: Schaefer, James J.
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Enzymes for the Detection of Nucleic Acid Sequences
; FILE REFERENCE: FORS 04931
; CURRENT APPLICATION NUMBER: US/09/758,282B
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 09/577,304
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 251
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-282B-251

Query Match 21.0%; Score 57; DB 2; Length 832;
Best Local Similarity 41.4%; Pred. No. 1e+02;
Matches 12; Conservative 7; Mismatches 10; Indels 0; Gaps 0;
Qy 16 LPKEMTPVPEPAFAAEALISRLKLELE 44
Db 216 LLKHLEQVKPASVREKILSHMEDLKLSLE 244

RESULT 15
US-09-758-282B-268
; Sequence 268, Application US/09758282B
; Patent No. 6635463
; GENERAL INFORMATION:
; APPLICANT: Ma, Wu-Po
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamicheva, Natalie E.
; APPLICANT: Allawi, Hatim T.
; APPLICANT: Schaefer, James J.
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Enzymes for the Detection of Nucleic Acid Sequences
; FILE REFERENCE: FORS 04931
; CURRENT APPLICATION NUMBER: US/09/758,282B
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 09/577,304
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 268
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-282B-268

Query Match 21.0%; Score 57; DB 2; Length 832;
Best Local Similarity 41.4%; Pred. No. 1e+02;
Matches 12; Conservative 7; Mismatches 10; Indels 0; Gaps 0;
Qy 16 LPKEMTPVPEPAFAAEALISRLKLELE 44
Db 216 LLKHLEQVKPASVREKILSHMEDLKLSLE 244

Search completed: April 20, 2006, 15:32:29
Job time : 5.51187 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 18.7599 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-3
Perfect score: 272
Sequence: 1 ANGQVSLPHFPRTHRLPKEM.....RLEKLELSRHSLEERLQ 54

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep:
2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep:
3: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep:
4: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep:
5: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep:
6: /cgn2_6/prodata/1/pubpaa/US11_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	268	98.5	843	5	US-10-723-860-1797
2	268	98.5	843	5	US-10-751-736-116
3	141.5	52.0	826	4	US-10-786-720-36
4	141.5	52.0	862	4	US-10-786-720-35
5	141.5	52.0	900	4	US-10-374-979-91
6	141.5	52.0	900	4	US-10-182-936A-91
7	141.5	52.0	900	5	US-10-477-238A-670
8	141.5	52.0	900	5	US-10-680-287A-670
9	141.5	52.0	900	5	US-10-477-173-670
10	141.5	52.0	912	4	US-10-092-900A-270
11	136.5	50.2	842	3	US-09-798-831-8
12	118	43.4	25	3	US-09-798-831-6
13	118	43.4	25	3	US-09-798-831-7
14	114	41.9	25	3	US-09-798-831-5
15	68	25.0	2590	4	US-10-072-012-490
16	65	23.9	25	3	US-09-798-831-2
17	65	23.9	455	5	US-10-926-542-103
18	65	23.9	462	4	US-10-815-495-28
19	64	23.5	658	4	US-10-437-963-196297
20	61.5	22.6	995	3	US-09-486-734A-2
21	60.5	22.2	373	5	US-10-739-930-10557
22	60	22.1	120	4	US-10-425-115-213813
23	60	22.1	508	4	US-10-425-115-254698
24	59.5	21.9	176	3	US-09-864-761-48059
25	59.5	21.9	183	5	US-10-370-715B-740
26	59.5	21.9	213	4	US-10-437-963-190644
27	59.5	21.9	302	4	US-10-437-963-141244

ALIGNMENTS

RESULT 1

US-10-723-860-1797
; Sequence 1797, Application US/10723860
; Publication NO. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1797
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-1797

Query Match 98.5%; Score 268; DB 5; Length 843;
Best Local Similarity 98.1%; Pred. No. 4.1e-23;
Matches 53; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ANGQVSLPHFPRTHRLPKEMTPVEPAFAAELISRLKLELSRHSLEERLQ 54
Db 343 ANGQVSLPHFPRTHRLPKEMTPVEPAFAAELISRLKLELSRHSLEERLQ 396

RESULT 2

US-10-751-736-116
; Sequence 116, Application US/10751736
; Publication NO. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2


```
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Liu, Yi
; APPLICANT: Anderson, David W.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Catterton, Elina
; APPLICANT: Leite, Mario W.
; APPLICANT: Zhong, Haihong
; APPLICANT: Alsobrook, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: No US20040043382A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-290C
; CURRENT APPLICATION NUMBER: US/10/092,900A
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: USSN 60/274,322
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: USSN 60/283,675
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: USSN 60/338,092
; PRIOR FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: USSN 60/274,281
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: USSN 60/274,191
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: USSN 60/325,681
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: USSN 60/304,354
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: USSN 60/279,995
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: USSN 60/294,899
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: USSN 60/287,424
; PRIOR FILING DATE: 2001-04-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 768
; SEQ ID NO 270
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-900A-270

Query Match 52.0%; Score 141.5; DB 4; Length 912;
Best Local Similarity 56.6%; Pred. No. 6.1e-08;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 2 NGQVSLPHFPRTHRLPKMTPEVPAFAAELISRLKLEKLESRHSLEERLQ 54
DB 412 NGRVLPHPRIPTYRVPKVR-VEPQKFAELIHLRLEAVORTREAEKLEERLK 463

RESULT 11
US-09-798-831-8
; Sequence 8, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-900A-270

Query Match 52.0%; Score 141.5; DB 4; Length 912;
Best Local Similarity 56.6%; Pred. No. 6.1e-08;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 2 NGQVSLPHFPRTHRLPKMTPEVPAFAAELISRLKLEKLESRHSLEERLQ 54
DB 412 NGRVLPHPRIPTYRVPKVR-VEPQKFAELIHLRLEAVORTREAEKLEERLK 463

RESULT 11
US-09-798-831-8
; Sequence 8, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-900A-270

Query Match 52.0%; Score 141.5; DB 4; Length 912;
Best Local Similarity 56.6%; Pred. No. 6.1e-08;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 2 NGQVSLPHFPRTHRLPKMTPEVPAFAAELISRLKLEKLESRHSLEERLQ 54
DB 412 NGRVLPHPRIPTYRVPKVR-VEPQKFAELIHLRLEAVORTREAEKLEERLK 463

RESULT 11
US-09-798-831-8
; Sequence 8, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-900A-270
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; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-798-831-8

Query Match 50.2%; Score 136.5; DB 3; Length 842;
Best Local Similarity 53.7%; Pred. No. 2.2e-07;
Matches 29; Conservative 10; Mismatches 14; Indels 1; Gaps 1;

QY 1 ANGQVSLPHFPRTHRLPKMTPEVPAFAAELISRLKLEKLESRHSLEERLQ 54
DB 362 ANGRGPLPHIPRTYTHMPADI-HVDPEKFAAELISRLKLEKLESRHSLEERLQ 414

RESULT 12
US-09-798-831-6
; Sequence 6, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; PRIOR FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rat axil
; OTHER INFORMATION: residues 362-386
US-09-798-831-6

Query Match 43.4%; Score 118; DB 3; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 MTPVEPAFAAELISRLKLEKLE 44
DB 1 MTPVEPAFAAELISRLKLEKLE 25

RESULT 13
US-09-798-831-7
; Sequence 7, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; PRIOR FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Murine
; OTHER INFORMATION: conductin residues 362-386
US-09-798-831-7

Query Match 43.4%; Score 118; DB 3; Length 25;
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Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 MTPVEPAFAAELISRLKLEKLE 44
|||||
Db 1 MTPVEPAFAAELISRLKLEKLE 25

RESULT 14
US-09-798-831-5
; Sequence 5, Application US/09798831
; Patent No. US20010052137A1
; GENERAL INFORMATION:
; APPLICANT: KLEIN, Peter S.
; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN
; TITLE OF INVENTION: SYNTHASE KINASE 3(BETA) ACTIVITY AND ACTIVATORS OF WNT
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 209596.0391/306U1
; CURRENT APPLICATION NUMBER: US/09/798,831
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 60/186,141
; PRIOR FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Human axin 2
; OTHER INFORMATION: residues 362-386
US-09-798-831-5

Query Match 41.9%; Score 114; DB 3; Length 25;
Best Local Similarity 96.0%; Pred. No. 1.6e-06;
Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 20 MTPVEPAFAAELISRLKLEKLE 44
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Db 1 MTPVEPAFAAELISRLKLEKLE 25

RESULT 15
US-10-072-012-490
; Sequence 490, Application US/10072012
; Publication No. US20040033493A1
; GENERAL INFORMATION:
; APPLICANT: Tchernev, Velizar
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Shinkets, Richard
; APPLICANT: Li, Li
; APPLICANT: Gangolli, Esha
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Anderson, David W.
; APPLICANT: Rastelli, Luca
; APPLICANT: Miller, Charles E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Colman, Steven D.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Pena, Carol E. A.
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Grosse, William M.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-258
; CURRENT APPLICATION NUMBER: US/10/072,012

CURRENT FILING DATE: 2002-01-31
PRIOR APPLICATION NUMBER: 60/265,102
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/265,514
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/265,517
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/265,412
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/265,395
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/266,406
PRIOR FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: 60/266,767
PRIOR FILING DATE: 2001-02-05
PRIOR APPLICATION NUMBER: 60/267,057
PRIOR FILING DATE: 2001-02-07
PRIOR APPLICATION NUMBER: 60/266,975
PRIOR FILING DATE: 2001-02-07
PRIOR APPLICATION NUMBER: 60/267,459
PRIOR FILING DATE: 2001-02-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1391
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 490
; LENGTH: 2590
; TYPE: PRT
; ORGANISM: Danio rerio
US-10-072-012-490

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Best Local Similarity 31.0%; Pred. No. 1.3e+02;
Matches 22; Conservative 6; Mismatches 19; Indels 24; Gaps 2;

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Db 76 GOVSLPHPRTRHLPKEMT-----PVEPAFAAELISRLKLEKLE-----42
|||||
QY 43 ----LESRHS 49
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Db 136 SNNPLESRHFL 146

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Job time : 19.7599 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.
OM protein - protein search, using sw model
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Total number of hits satisfying chosen parameters: 225428

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Post-processing: Minimum Match 0%
Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	141.5	52.0	900	US-10-501-035-215	Sequence 215, App
2	59.5	21.9	213	US-11-188-298-16414	Sequence 16414, A
3	59.5	21.9	213	US-11-188-298-18243	Sequence 18243, A
4	59.5	21.9	323	US-11-096-568A-23145	Sequence 23145, A
5	59.5	21.9	369	US-11-188-298-17616	Sequence 17616, A
6	59.5	21.9	381	US-11-096-568A-23144	Sequence 23144, A
7	59.5	21.9	431	US-11-096-568A-23143	Sequence 23143, A
8	59.5	21.9	2715	US-11-096-051-2	Sequence 2, Appli
9	59.5	21.9	2715	US-11-113-424-51	Sequence 51, Appl
10	59.5	21.9	2721	US-11-096-051-10	Sequence 10, Appl
11	59.5	21.9	2725	US-11-096-051-8	Sequence 8, Appli
12	58.5	21.5	1061	US-11-121-438-4	Sequence 4, Appli
13	57.5	21.1	254	US-11-188-298-14078	Sequence 14078, A
14	57	21.0	714	US-11-121-419-2	Sequence 2, Appli
15	57	21.0	724	US-11-079-463-5959	Sequence 5959, Ap
16	56.5	20.8	526	US-11-087-099-6670	Sequence 6670, Ap
17	56	20.6	64	US-10-467-657-7122	Sequence 7122, Ap
18	56	20.6	349	US-10-481-935A-208	Sequence 208, App
19	56	20.6	7968	US-11-186-731-5	Sequence 5, Appli
20	55.5	20.4	476	US-11-188-298-7774	Sequence 7774, Ap
21	54.5	20.0	259	US-11-096-568A-6620	Sequence 6620, Ap
22	54.5	20.0	263	US-11-096-568A-8497	Sequence 8497, Ap
23	54.5	20.0	302	US-11-096-568A-8496	Sequence 8496, Ap
24	54.5	20.0	307	US-11-096-568A-6619	Sequence 6619, Ap
25	54.5	20.0	366	US-11-096-568A-6618	Sequence 6618, Ap

RESULT 1
US-10-501-035-215
; Sequence 215, Application US/10501035
; Publication No. US20060046249A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING
; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: D0185 PCT
; CURRENT APPLICATION NUMBER: US/10/501,035
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: US 60/350,061
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 215
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-501-035-215

ALIGNMENTS

26	54.5	20.0	487	7	US-11-096-568A-8495	Sequence 8495, Ap
27	54.5	20.0	1758	7	US-11-087-099-9570	Sequence 9570, Ap
28	54	19.9	166	7	US-11-087-099-10782	Sequence 10782, A
29	54	19.9	196	6	US-10-506-454-36	Sequence 36, Appl
30	54	19.9	578	7	US-11-087-099-1173	Sequence 1173, Ap
31	54	19.9	654	7	US-11-046-668-4	Sequence 4, Appli
32	54	19.9	683	7	US-11-046-668-2	Sequence 2, Appli
33	53.5	19.7	267	6	US-10-055-877-36	Sequence 36, Appl
34	53.5	19.7	267	6	US-10-055-877-38	Sequence 38, Appl
35	53.5	19.7	439	6	US-10-502-041-6	Sequence 6, Appli
36	53	19.5	329	7	US-11-087-099-1058	Sequence 1058, Ap
37	53	19.5	347	7	US-11-118-122-2	Sequence 2, Appli
38	53	19.5	405	6	US-10-453-195-6	Sequence 6, Appli
39	53	19.5	406	7	US-11-169-041-183	Sequence 183, App
40	53	19.5	453	6	US-10-131-826A-270	Sequence 270, App
41	53	19.5	453	6	US-10-973-115B-270	Sequence 270, App
42	53	19.5	453	7	US-11-290-153-270	Sequence 270, App
43	53	19.5	457	6	US-10-821-234-1185	Sequence 1185, Ap
44	53	19.5	908	6	US-10-821-234-1267	Sequence 1267, Ap
45	53	19.5	908	6	US-10-523-328-11	Sequence 11, Appl

Query Match 52.0%; Score 141.5; DB 6; Length 900;
Best Local Similarity 56.6%; Pred. No. 3.4e-09;
Matches 30; Conservative 8; Mismatches 14; Indels 1; Gaps 1;
QY 2 NQGVSLPHPRTHRLPKEMTPVEPAFAELISRLKLELSRHSLEERLQ 54
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Db 400 NGRVLPHPRIYRYPKEVR-VEPQKFAEELIHRLEAVQRTREAEKLEERLK 451
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 2
US-11-188-298-16414
; Sequence 16414, Application US/11188298
; Publication No. US20060075522A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53452)B
; CURRENT APPLICATION NUMBER: US/11/188,298
; CURRENT FILING DATE: 2005-07-22
; PRIOR APPLICATION NUMBER: 60/592,978
; PRIOR FILING DATE: 2004-07-31
; NUMBER OF SEQ ID NOS: 22569
; SEQ ID NO 16414
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Oryza sativa


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; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 2715
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-113-424-51

Query Match      21.9%; Score 59.5; DB 7; Length 2715;
Best Local Similarity 26.3%; Pred. No. 1.2e+02;
Matches 20; Conservative 9; Mismatches 18; Indels 29; Gaps 2

QY      3 GOVSLPHFPTRHL-----PKEMTPVEPAAFAAELISRLKLEKLE- 42
Db      178 GQTLPPLPSHKQHQAHPHSITSLNRNSLTNRNQSPAPPAALPAELQTTPEVSQLOD 237
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QY      43 -----LESRHSI 49
Db      238 SWVLGSNVPLESRHFL 253
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RESULT 10
US-11-096-051-10
; Sequence 10, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; PRIOR FILING DATE: 2005-03-30
; CURRENT APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 10
; LENGTH: 2721
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-10

Query Match      21.9%; Score 59.5; DB 7; Length 2721;
Best Local Similarity 26.3%; Pred. No. 1.2e+02;
Matches 20; Conservative 9; Mismatches 18; Indels 29; Gaps 2

QY      3 GOVSLPHFPTRHL-----PREMTPVEPAAFAAELISRLKLEKLE- 42
Db      178 GQSTLPPLPSKHQSHQAHPHSITSLNRNSLTNRNQSPAPPAALPAELQTTPEVSQLOD 237
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QY      43 -----LESRHSI 49
Db      238 SWVLGSNVPLESRHFL 253
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RESULT 11

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US-11-096-051-8
; Sequence 8, Application US/11096051
; Publication No. US2005024486A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 8
; LENGTH: 2725
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-8

Query Match 21.9%; Score 59.5; DB 7; Length 2725;
Best Local Similarity 26.3%; Pred. No. 1.2e+02;
Matches 20; Conservative 9; Mismatches 18; Indels 29; Gaps 2;

QY 3 GOVSLPHFPRTHL-----PKEMTPVEPAFAAEALISRLKLE- 42
DB 178 GQSTQLPSPHKQHSQAHPSTSLNRSNLTNRNQSPAPPAALPAELQTTPEVQLQD 237

QY 43 -----LEGRHSL 49
DB 238 SWVLGSNVPLESRHFL 253

RESULT 12
US-11-121-438-4
; Sequence 4, Application US/11121438
; Publication No. US20060014173A1
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: PR/SET- Domain Containing Nucleic Acids,
; FILE REFERENCE: P-LJ 5301
; CURRENT APPLICATION NUMBER: US/11/121,438
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US/10/200,012
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US 09/910,478
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 1061
; TYPE: PRT
; ORGANISM: Human
US-11-121-438-4

Query Match 21.5%; Score 58.5; DB 7; Length 1061;
Best Local Similarity 34.0%; Pred. No. 53;
Matches 16; Conservative 10; Mismatches 16; Indels 5; Gaps 2;

QY 4 QVSLPHFPRTHL---PKEMTPVEP--AAFAAEALISRLKLELES 45
DB 383 QSSLEHEPETHLHQPOHESVVTQSTLTADDMERAKRIRLELQN 429

RESULT 13

US-11-188-298-14078
; Sequence 14078, Application US/11188298
; Publication No. US20060075522A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53452)B
; CURRENT APPLICATION NUMBER: US/11/188,298
; CURRENT FILING DATE: 2005-07-22
; PRIOR APPLICATION NUMBER: 60/592,978
; PRIOR FILING DATE: 2004-07-31
; NUMBER OF SEQ ID NOS: 22569
; SEQ ID NO 14078
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Aquifex aeolicus VF5
US-11-188-298-14078

Query Match 21.1%; Score 57.5; DB 7; Length 254;
Best Local Similarity 28.6%; Pred. No. 13;
Matches 16; Conservative 7; Mismatches 30; Indels 3; Gaps 1;

QY 2 NCQVSLPHF---PRTHLPKEMTPVEPAFAAEALISRLKLELESRHSLSERLQ 54
DB 183 NGVLFPPDMGTNPANHYLPQETRLNLEFEFKHLKPDNPLFVNRHHTSSKAQ 238

RESULT 14

US-11-121-419-2
; Sequence 2, Application US/11121419
; Publication No. US20050265985A1
; GENERAL INFORMATION:
; APPLICANT: CHODOSH, Lewis A
; APPLICANT: GARDNER, Heather P
; TITLE OF INVENTION: HORMONALLY UP-REGULATED, NEU-TUMOR-ASSOCIATED KINASE
; FILE REFERENCE: 22253-70421
; CURRENT APPLICATION NUMBER: US/11/121,419
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: US/10/032,256
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/257,073
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 714
; TYPE: PRT
; ORGANISM: Murinae gen. sp.
US-11-121-419-2

Query Match 21.0%; Score 57; DB 7; Length 714;
Best Local Similarity 33.3%; Pred. No. 50;
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DB 526 PRTPRVKKLEHPQPGCSASILPKPEPLLLDM 558

RESULT 15

US-11-079-463-5959
; Sequence 5959, Application US/11079463
; Publication No. US20060073161A1
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: PATH00-03DIV2
; CURRENT APPLICATION NUMBER: US/11/079,463
; CURRENT FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/128,705
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: US 09/540,209

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

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Title: US-09-587-574-4

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Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 4: /cgn2_6/prodata/1/iaa/PCITUS COMB.pep.*
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- 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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5	72.5	20.1	1129	2	US-09-734-674-2
6	72.5	20.1	1129	2	US-10-274-990-2
7	70	19.4	856	2	US-09-605-703B-2760
8	69.5	19.3	1034	2	US-10-104-047-2343
9	68.5	19.0	441	2	US-08-764-870-9
10	68.5	19.0	441	2	US-08-980-115-9
11	68.5	19.0	441	2	US-09-166-265-7
12	68.5	19.0	500	2	US-09-949-016-11597
13	67.5	18.8	595	2	US-09-252-991A-17434
14	66.5	18.5	441	2	US-09-976-594-1000
15	65	18.1	90	2	US-09-270-767-40580
16	65	18.1	90	2	US-09-270-767-55796
17	64	17.8	605	2	US-09-949-016-11347
18	64	17.8	878	2	US-09-902-540-11650
19	63.5	17.6	434	1	US-08-710-249-4
20	63.5	17.6	434	2	US-09-220-157A-4
21	62.5	17.4	1042	2	US-08-928-361B-11
22	62.5	17.4	1042	2	US-09-588-995A-11
23	62.5	17.4	1837	2	US-08-928-361B-5
24	62.5	17.4	1837	2	US-09-588-995A-5
25	62	17.2	348	2	US-08-415-655-5
26	62	17.2	348	2	US-08-415-655-13
27	62	17.2	348	2	US-08-415-655-15

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Sequence 22041, A
Sequence 58525, A
Sequence 43189, A
Sequence 17831, A
Sequence 19940, A
Sequence 2474, Ap
Sequence 17964, A
Sequence 4, Appli
Sequence 24897, A
Sequence 17141, A
Sequence 12646, A
Sequence 29, Appl
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Sequence 29, Appl
Sequence 9, Appli
Sequence 9, Appli

28 62 17.2 409 2 US-10-332-795-17
29 62 17.2 545 2 US-09-248-796A-15777
30 61.5 17.1 99 2 US-09-248-796A-22041
31 61.5 17.1 203 2 US-09-270-767-58525
32 61.5 17.1 313 2 US-09-270-767-43189
33 61 16.9 283 2 US-09-252-991A-17831
34 61 16.9 477 2 US-09-252-991A-19940
35 61 16.9 897 2 US-10-104-047-2474
36 60.5 16.8 260 2 US-09-252-991A-17964
37 59.5 16.5 1088 2 US-09-920-804-4
38 59 16.4 360 2 US-09-252-991A-24897
39 59 16.4 485 2 US-09-252-991A-17141
40 59 16.4 937 2 US-09-489-039A-12646
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42 59 16.4 1498 2 US-08-476-900A-29
43 59 16.4 1498 2 US-08-488-546A-29
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45 59 16.4 1582 2 US-08-476-900A-9

ALIGNMENTS

RESULT 1
US-08-890-865A-10
; Sequence 10, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 855 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-10

Query Match 40.6%; Score 146; DB 2; Length 855;
Best Local Similarity 34.7%; Pred. No. 1e-09;
Matches 35; Conservative 14; Mismatches 14; Indels 38; Gaps 4;
QY 3 REDEK-----EGSEQALSSRDGAPVQHPHLLALLPSG----- 33
DB 417 REAEKLEERLKRVAEEEGEDADISSGSPV-ISHK---MPSAQPHHPAPRYSEMGCG 472
QY 34 -----SYBEDPTILDDHLRLVLTFCQSPGVGRYSPRSR 69


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; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001018
; CURRENT APPLICATION NUMBER: US/09/734,674
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1129
; TYPE: PRT
; ORGANISM: Human
; US-09-734-674-2

Query Match      20.1%; Score 72.5; DB 2; Length 1129;
Best Local Similarity 38.3%; Pred. No. 3.6;
Matches 18; Conservative 6; Mismatches 18; Indels 5; Gaps 2;

QY      4 EDEEKGSGQALSSRDGAPVQHPLALLPSGSYEEDPQTI-LDDHLGR 49
Db      1059 EDAKEEBSQSLAMEDEGTVOLPL-----EGHYRDDPSVINISDEMSK 1101

RESULT 6
US-10-274-990-2
; Sequence 2, Application US/10274990
; Patent No. 6878808
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001018 Div
; CURRENT APPLICATION NUMBER: US/10/274,990
; CURRENT FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 09/734,674
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1129
; TYPE: PRT
; ORGANISM: Human
; US-10-274-990-2

Query Match      20.1%; Score 72.5; DB 2; Length 1129;
Best Local Similarity 38.3%; Pred. No. 3.6;
Matches 18; Conservative 6; Mismatches 18; Indels 5; Gaps 2;

QY      4 EDEEKGSGQALSSRDGAPVQHPLALLPSGSYEEDPQTI-LDDHLGR 49
Db      1059 EDAKEEBSQSLAMEDEGTVOLPL-----EGHYRDDPSVINISDEMSK 1101

RESULT 7
US-09-605-703B-2760
; Sequence 2760, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
; SEQ ID NO 2760
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; LENGTH: 856
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-09-605-703B-2760

Query Match      19.4%; Score 70; DB 2; Length 856;
Best Local Similarity 36.8%; Pred. No. 5.2;
Matches 14; Conservative 6; Mismatches 12; Indels 6; Gaps 1;

QY      15 LSSRDGAPVQ-----HPLALLPSGSYEEDPQTILDDH 46
Db      94 LTDSDGNPLQAGSSGTHPLAIVPQGEWVSPETLIDGH 131

RESULT 8
US-10-104-047-2343
; Sequence 2343, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2343
; LENGTH: 1034
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-104-047-2343

Query Match      19.3%; Score 69.5; DB 2; Length 1034;
Best Local Similarity 28.8%; Pred. No. 7.8;
Matches 23; Conservative 15; Mismatches 11; Indels 31; Gaps 5;

QY      2 IREDEE--KEGSEQ-----ALSS-----RDGAPVQHPLALLPSGSYEEDPQTI 42
Db      651 LKEEEKLMKEGSEKPKQPLEPTSALNSGCALANHAPALPCINPLSAL-----QSV 701

QY      43 LDDHLGRV---LKTFCQSP 59
Db      702 LNNHLGKATEPLRSPSCSP 721

RESULT 9
US-08-764-870-9
; Sequence 9, Application US/08764870
; Patent No. 6236946
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S
; APPLICANT: Baxter, John D
; APPLICANT: Fletterick, Robert J
; APPLICANT: Wagner, Richard L
; APPLICANT: Kushner, Peter J
; APPLICANT: Apriletti, James W
; APPLICANT: West, Brian
; TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
; TITLE OF INVENTION: Binding Domains
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Cooley Godward
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/764,870
; FILING DATE: 13-DEC-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,540
; FILING DATE: 13-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,543
; FILING DATE: 13-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,606
; FILING DATE: 14-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Nakamura, Jackie N
; REGISTRATION NUMBER: 35,966
; REFERENCE/DOCKET NUMBER: UCAL-246/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650)843-5000
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 441 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-764-870-9

Query Match 19.0%; Score 68.5; DB 2; Length 441;
Best Local Similarity 30.3%; Pred. No. 3.3;
Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

QY 1 QIREDEKEGSEQALSSRDGAPVQH--PLALLPSGSYEE-----DPQTILDDHLSRVLKT 53
DB 10 EVREEEKEEVAEA-----EGAPELNGGPOHALPSSSYTDLSSRSSPSSLDDQ-----LQ 59

QY 54 PGCSQPGVGRYSPRSR 69
DB 60 MGCDGASCGSLNMECR 75

RESULT 10
US-08-980-115-9
; Sequence 9, Application US/08980115
; Patent No. 6286622
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S.
; APPLICANT: Baxter, John D.
; APPLICANT: Fletterick, Robert J.
; APPLICANT: Wagner, Richard L.
; APPLICANT: Kushner, Peter J.
; APPLICANT: Apriletti, James W.
; APPLICANT: West, Brian L.
; APPLICANT: Shiau, Andrew K.
; TITLE OF INVENTION: NUCLEAR RECEPTOR LIGANDS AND LIGAND BINDING DOMAINS
; FILE REFERENCE: UCAL-246/02US
; CURRENT APPLICATION NUMBER: US/08/980,115
; CURRENT FILING DATE: 1997-11-26
; EARLIER APPLICATION NUMBER: 08/764,870
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 60/008,606
; EARLIER FILING DATE: 1995-12-14
; EARLIER APPLICATION NUMBER: 60/008,543
; EARLIER FILING DATE: 1995-12-13
; EARLIER APPLICATION NUMBER: 60/008,540
; EARLIER FILING DATE: 1995-12-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
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; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (168)..(441)
; OTHER INFORMATION: minimal ligand binding domain
US-08-980-115-9

Query Match 19.0%; Score 68.5; DB 2; Length 441;
Best Local Similarity 30.3%; Pred. No. 3.3;
Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

QY 1 QIREDEKEGSEQALSSRDGAPVQH--PLALLPSGSYEE-----DPQTILDDHLSRVLKT 53
DB 10 EVREEEKEEVAEA-----EGAPELNGGPOHALPSSSYTDLSSRSSPSSLDDQ-----LQ 59

QY 54 PGCSQPGVGRYSPRSR 69
DB 60 MGCDGASCGSLNMECR 75

RESULT 11
US-09-166-265-7
; Sequence 7, Application US/09166265
; Patent No. 6689574
; GENERAL INFORMATION:
; APPLICANT: Cummings, Richard T.
; APPLICANT: Hermes, Jeffrey D.
; APPLICANT: Moller, David E.
; APPLICANT: Zhou, Gaochao
; TITLE OF INVENTION: ASSAYS FOR NUCLEAR RECEPTOR AGONISTS AND
; TITLE OF INVENTION: ANTAGONISTS USING FLUORESCENCE RESONANCE ENERGY TRANSFER
; FILE REFERENCE: 20017
; CURRENT APPLICATION NUMBER: US/09/166,265
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-166-265-7

Query Match 19.0%; Score 68.5; DB 2; Length 441;
Best Local Similarity 30.3%; Pred. No. 3.3;
Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

QY 1 QIREDEKEGSEQALSSRDGAPVQH--PLALLPSGSYEE-----DPQTILDDHLSRVLKT 53
DB 10 EVREEEKEEVAEA-----EGAPELNGGPOHALPSSSYTDLSSRSSPSSLDDQ-----LQ 59

QY 54 PGCSQPGVGRYSPRSR 69
DB 60 MGCDGASCGSLNMECR 75

RESULT 12
US-09-949-016-11597
; Sequence 11597, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO i1597
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11597

Query Match      19.0%; Score 68.5; DB 2; Length 500;
Best Local Similarity 30.3%; Pred. No. 3.9;
Matches 23; Conservative 10; Mismatches 26; Indels 17; Gaps 4;

QY 1 QIREDEKEGSEQALSSRDGAPVOH--PLALLPSGSVEE-----DPTILDDHLSRVLKT 53
Db 69 EVREEREKEEVAEA-----EGAPELNGGQHALPSSSYTDLSSSSPSPSLDQ-----LQ 118

QY 54 PQCSQPGVGRYSPRSR 69
Db 119 MCGDGCAGCSGLNMECR 134

RESULT 13
US-09-252-991A-17434
; Sequence 17434, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17434
; LENGTH: 595
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17434

Query Match      18.8%; Score 67.5; DB 2; Length 595;
Best Local Similarity 38.3%; Pred. No. 6.6;
Matches 18; Conservative 6; Mismatches 22; Indels 1; Gaps 1;

QY 18 RDGAPVQHPLALLPSGSVEEDPTILD-DHLSRVLKTGCGQSPGVGR 63
Db 539 RQAGYLRVAVGVPAGSPAEEPAELDATHRALAHAPGPPAAGPCR 585

RESULT 14
US-09-976-594-1000
; Sequence 1000, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 1000
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 678004CD1
US-09-976-594-1000
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Query Match      18.5%; Score 66.5; DB 2; Length 441;
Best Local Similarity 30.4%; Pred. No. 5.9;
Matches 24; Conservative 8; Mismatches 24; Indels 23; Gaps 4;

QY 1 QIREDEKEGSEQALSSRDGAPVOH--PLALLPSGSVEEDPTILDDHLSRVLKTTP----- 54
Db 10 EVREEREKEEVAEA-----EGAPELNGGQHALPSSSYTD-----LSRSSPSPSRLD 56

QY 55 ----GCQSPGVGRYSPRSR 69
Db 57 QLMGCGDGCAGCSGLNMECR 75

RESULT 15
US-09-270-767-40580
; Sequence 40580, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40580
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-40580

Query Match      18.1%; Score 65; DB 2; Length 90;
Best Local Similarity 28.3%; Pred. No. 1.1;
Matches 15; Conservative 10; Mismatches 28; Indels 0; Gaps 0;

QY 2 IREDEKEGSEQALSSRDGAPVQHPLALLPSGSVEEDPTILDDHLSRVLKTTP 54
Db 7 LRPQKEQGSNNHQLNNSKNSNSDSKISSGVENTSSATNGPHSNSTLPTP 59
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Search completed: April 20, 2006, 15:32:30
Job time : 6.76517 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 23.971 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-4
Perfect score: 360
Sequence: 1 QIREDEKEGSEQALSSRDG.....VLKTPGQSPGVGRYSRPR 69

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Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:*

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2: /cgn2_6/prodata1/pubpaa/US08_PUBCOMB.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	332	92.2	843	5	US-10-723-860-1797
2	332	92.2	843	5	US-10-751-736-116
3	158	43.9	842	3	US-09-798-831-8
4	122	33.9	826	4	US-10-786-720-36
5	122	33.9	862	4	US-10-786-720-35
6	121.5	33.8	912	4	US-10-092-900A-270
7	113.5	31.5	900	4	US-10-374-979-91
8	113.5	31.5	900	4	US-10-182-938A-91
9	113.5	31.5	900	5	US-10-477-238A-670
10	113.5	31.5	900	5	US-10-680-287A-670
11	113.5	31.5	900	5	US-10-477-173-670
12	75	20.8	218	4	US-10-425-115-227845
13	75	20.8	1487	4	US-10-437-963-124794
14	73	20.3	175	4	US-10-425-115-227847
15	72.5	20.1	182	4	US-10-425-115-205230
16	72.5	20.1	593	4	US-10-425-114-56486
17	72.5	20.1	1088	3	US-09-920-804-2
18	72.5	20.1	1088	4	US-10-640-483-2
19	72.5	20.1	1129	3	US-09-734-674-2
20	72.5	20.1	1129	4	US-10-274-990-2
21	72.5	20.1	1129	6	US-11-061-825-2
22	72.5	20.1	1272	5	US-10-450-763-33467
23	71.5	19.9	307	4	US-10-425-115-244452
24	70	19.4	862	3	US-09-738-626-3956
25	70	19.4	862	5	US-10-494-672-308
26	69.5	19.3	128	4	US-10-425-115-282984
27	69.5	19.3	670	3	US-09-864-761-49062

ALIGNMENTS

RESULT 1
US-10-723-860-1797
; Sequence 1797, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1797
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-1797

Query Match 92.2%; Score 332; DB 5; Length 843;
Best Local Similarity 89.9%; Pred. No. 5.3e-30;
Matches 62; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 1 QIREDEKEGSEQALSSRDGAPVOHPHALLPPSGSYEDPQTILDDHLSRLVLTGQSPG 60
DB 397 QIREDEKEGSELTNSREGAPTQHPLSLPPSGSYEDPQTILDDHLSRLVLTGQSPG 456
QY 61 VGRYSRPR 69
DB 457 VGRYSRPR 465

RESULT 2
US-10-751-736-116
; Sequence 116, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06

; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000

; PRIOR FILING DATE: 2003-01-06

; NUMBER OF SEQ ID NOS: 54873

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 116

; LENGTH: 843

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-751-736-116

Query Match 92.2%; Score 332; DB 5; Length 843;

Best Local Similarity 89.9%; Pred. No. 5.3e-30;

Matches 62; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 QIREDEKEGSEALSSRDGAPVQHPLALPSGYEEDPQTILDDHLSRVLTGPGCSPG 60

DB 397 QIREDEEREGSELTLNSREGAPQHPLSLPSGYEEDPQTILDDHLSRVLTGPGCSPG 456

QY 61 VGRYSRPSR 69

DB 457 VGRYSRPSR 465

RESULT 3

US-09-798-831-8

; Sequence 8, Application US/09798831

; Patent No. US20010052137A1

; GENERAL INFORMATION:

; APPLICANT: KLEIN, Peter S.

; TITLE OF INVENTION: AXIN DOMAIN-LIKE POLYPEPTIDE INHIBITORS OF GLYCOGEN

; TITLE OF INVENTION: SYNTHASE KINASE 3 (BETA) ACTIVITY AND ACTIVATORS OF WNT

; TITLE OF INVENTION: SIGNALING

; FILE REFERENCE: 209596.0391/30601

; CURRENT APPLICATION NUMBER: US/09/798,831

; CURRENT FILING DATE: 2001-03-01

; PRIOR APPLICATION NUMBER: US 60/186,141

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8

; LENGTH: 842

; TYPE: PRT

; ORGANISM: Xenopus laevis

US-09-798-831-8

Query Match 43.9%; Score 158; DB 3; Length 842;

Best Local Similarity 40.0%; Pred. No. 1.8e-09;

Matches 34; Conservative 14; Mismatches 11; Indels 26; Gaps 3;

QY 7 EKEGSEALSSRDGAPVQHPLALPSG-----SYEEDPQTILD 44

DB 419 EEEGDDGVSSGSV-ISHK---LPSGPMHFNRSYSETCCVGMQIRDAHEENPESILD 474

QY 45 DHLRSVLKTPGCGSPGVGRYSRPSR 69

DB 475 EHVQVVMKTPGCGSPGTRHSPKSR 499

RESULT 4

US-10-786-720-36

; Sequence 36, Application US/10786720

; Publication No. US20040191818A1

; GENERAL INFORMATION:

; APPLICANT: Wyeth

; APPLICANT: O'Toole, Margot

; APPLICANT: Liu, Wei

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE

; TITLE OF INVENTION: DISEASES

; FILE REFERENCE: 031896-023000 (AM101331L)

; CURRENT APPLICATION NUMBER: US/10/786,720

; CURRENT FILING DATE: 2004-02-26

; NUMBER OF SEQ ID NOS: 21135

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 36

; LENGTH: 826

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-786-720-36

Query Match 33.9%; Score 122; DB 4; Length 826;

Best Local Similarity 35.8%; Pred. No. 3.1e-05;

Matches 34; Conservative 10; Mismatches 21; Indels 30; Gaps 3;

QY 3 REDEEK-----EGSEALSSRDGAPVQHPLALPS-----G 33

DB 403 REAEKLEERLKRVRMEEGEDGDPSSGPPGPC-HKLPAPAWHHFPPRCVDMGCAGLRD 461

QY 34 SYEEDPQTILDDHLSRVLTGPGCSPGVGRYSRPS 68

DB 462 AHEENPESILDEHVQVRLTPGQSPGPHRSPDS 496

RESULT 5

US-10-786-720-35

; Sequence 35, Application US/10786720

; Publication No. US20040191818A1

; GENERAL INFORMATION:

; APPLICANT: Wyeth

; APPLICANT: O'Toole, Margot

; APPLICANT: Liu, Wei

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE

; TITLE OF INVENTION: DISEASES

; FILE REFERENCE: 031896-023000 (AM101331L)

; CURRENT APPLICATION NUMBER: US/10/786,720

; CURRENT FILING DATE: 2004-02-26

; NUMBER OF SEQ ID NOS: 21135

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 35

; LENGTH: 862

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-786-720-35

Query Match 33.9%; Score 122; DB 4; Length 862;

Best Local Similarity 35.8%; Pred. No. 3.3e-05;

Matches 34; Conservative 10; Mismatches 21; Indels 30; Gaps 3;

QY 3 REDEEK-----EGSEALSSRDGAPVQHPLALPS-----G 33

DB 403 REAEKLEERLKRVRMEEGEDGDPSSGPPGPC-HKLPAPAWHHFPPRCVDMGCAGLRD 461

QY 34 SYEEDPQTILDDHLSRVLTGPGCSPGVGRYSRPS 68

DB 462 AHEENPESILDEHVQVRLTPGQSPGPHRSPDS 496

RESULT 6

US-10-092-900A-270

; Sequence 270, Application US/10092900A

; Publication No. US20040043382A1

; GENERAL INFORMATION:

; APPLICANT: Padigar, Muralidhara

; APPLICANT: Spytek, Kimberly A.

; APPLICANT: Shenoy, Suresh G.

; APPLICANT: Taupier Jr., Raymond J.

; APPLICANT: Pena, Carol E.A.

; APPLICANT: Li, Li

; APPLICANT: Zerhusen, Bryan D.

; APPLICANT: Gusev, Vladimir Y.

; APPLICANT: Ji, Weizhen

; APPLICANT: Gorman, Linda

; APPLICANT: Miller, Charles E.

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Patturajan, Meera

; APPLICANT: Gangolli, Esha A.

; APPLICANT: Vernet, Corine A.M.


```

; PRIOR APPLICATION NUMBER: US 09/543,771
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 09/229,319
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 60/071,449
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: US 60/105,511
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-374-979-91

Query Match      31.5%; Score 113.5; DB 4; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

Qy 3 REDEK-----EGSEQALSSRDGAPVQHPLALLPS----- 32
Db 440 REAEKLEERLKRVMEBEGDPSGGPGC-HKLPPAPAWHHFPPRLCWTWACAGLR 498

Qy 33 GSYEDPOTILDDHLSRVLKTGCGSPGVGRYSPRS 68
Db 499 DAHENPESILDEHVORVLRITGROSPGCHRSPTS 534

RESULT 8
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040038860A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT APPLICATION NUMBER: US/10182,936A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91

Query Match      31.5%; Score 113.5; DB 4; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

Qy 3 REDEK-----EGSEQALSSRDGAPVQHPLALLPS----- 32
Db 440 REAEKLEERLKRVMEBEGDPSGGPGC-HKLPPAPAWHHFPPRLCWTWACAGLR 498

Qy 33 GSYEDPOTILDDHLSRVLKTGCGSPGVGRYSPRS 68
Db 499 DAHENPESILDEHVORVLRITGROSPGCHRSPTS 534

RESULT 9

```

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US-10-477-238A-670
; Sequence 670, Application US/10477238A
; Publication No. US20040221326A1
; GENERAL INFORMATION:
; APPLICANT: Babi, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT APPLICATION NUMBER: US/10/477,238A
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-238A-670

Query Match 31.5%; Score 113.5; DB 5; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

QY 3 REDEEK-----EGSEQALSSRDGAPVQHPLALLPS----- 32
Db 440 REAEKLEERLKVRMEEGEDGDPSSGPPGPC-HKLPAPAWHFFPRLCWTWACAGLR 498
QY 33 GSYEEDPQTILDHLSRVLTGCGQSPGVGRYSPRS 68
Db 499 DAHEENPESILDEHVQVRLTTGRQSPGPGHRSPTS 534

RESULT 10
US-10-680-287A-670
; Sequence 670, Application US/10680287A
; Publication No. US20040244069A1
; GENERAL INFORMATION:
; APPLICANT: Babi, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-179
; CURRENT APPLICATION NUMBER: US/10/680,287A
; CURRENT FILING DATE: 2003-10-08
; PRIOR APPLICATION NUMBER: PCT/US02/14876
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-680-287A-670

Query Match 31.5%; Score 113.5; DB 5; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

QY 3 REDEEK-----EGSEQALSSRDGAPVQHPLALLPS----- 32
Db 440 REAEKLEERLKVRMEEGEDGDPSSGPPGPC-HKLPAPAWHFFPRLCWTWACAGLR 498
QY 33 GSYEEDPQTILDHLSRVLTGCGQSPGVGRYSPRS 68
Db 499 DAHEENPESILDEHVQVRLTTGRQSPGPGHRSPTS 534

RESULT 10
US-10-680-287A-670
; Sequence 670, Application US/10680287A
; Publication No. US20040244069A1
; GENERAL INFORMATION:
; APPLICANT: Babi, Philip
; APPLICANT: Yaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-179
; CURRENT APPLICATION NUMBER: US/10/680,287A
; CURRENT FILING DATE: 2003-10-08
; PRIOR APPLICATION NUMBER: PCT/US02/14876
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-680-287A-670

Query Match 31.5%; Score 113.5; DB 5; Length 900;
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Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

QY 3 REDEEK-----EGSEQALSSRDGAPVQHPLALLPS----- 32
Db 440 REAEKLEERLKVRMEEGEDGDPSSGPPGPC-HKLPAPAWHFFPRLCWTWACAGLR 498
QY 33 GSYEEDPQTILDHLSRVLTGCGQSPGVGRYSPRS 68
Db 499 DAHEENPESILDEHVQVRLTTGRQSPGPGHRSPTS 534

RESULT 11
US-10-477-173-670
; Sequence 670, Application US/10477173
; Publication No. US20050070699A1
; GENERAL INFORMATION:
; APPLICANT: Genome Therapeutics Corporation and
; APPLICANT: Allen, Kristina M.
; APPLICANT: Yaworsky, Paul
; APPLICANT: Morales, Arturo J.
; APPLICANT: Graham, James R.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: HBM Variants that Modulate Bone Mass and Lipid Levels
; FILE REFERENCE: 032796-135
; CURRENT APPLICATION NUMBER: US/10/477,173
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 1086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-477-173-670

Query Match 31.5%; Score 113.5; DB 5; Length 900;
Best Local Similarity 34.4%; Pred. No. 0.00035;
Matches 33; Conservative 10; Mismatches 22; Indels 31; Gaps 3;

QY 3 REDEEK-----EGSEQALSSRDGAPVQHPLALLPS----- 32
Db 440 REAEKLEERLKVRMEEGEDGDPSSGPPGPC-HKLPAPAWHFFPRLCWTWACAGLR 498
QY 33 GSYEEDPQTILDHLSRVLTGCGQSPGVGRYSPRS 68
Db 499 DAHEENPESILDEHVQVRLTTGRQSPGPGHRSPTS 534

RESULT 12
US-10-425-115-227845
; Sequence 227845, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 227845
```

```

; LENGTH: 218
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(218)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_139390C.1.pap
US-10-425-115-227845

Query Match      20.8%; Score 75; DB 4; Length 218;
Best Local Similarity 29.5%; Pred. No. 2.1;
Matches 23; Conservative 6; Mismatches 29; Indels 20; Gaps 3;

Qy 1 QIREDEKEGSEQALSSRDGA-----PVQHPALLPSSGYEEDPQTILD-----D 45
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 85 RVNRGDRSSQSPAKOSREGVGLSLDTPQLHDLAVRPSKDESPDAALDFSFHSDHSQ 144

Qy 46 HLSRVLTKTP-----GCOS 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 RLQRCVSSPAFFXAGCSS 162

RESULT 13
US-10-437-963-124794
; Sequence 124794, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 124794
; LENGTH: 1487
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_27499C.1.pap
US-10-437-963-124794

Query Match      20.8%; Score 75; DB 4; Length 1487;
Best Local Similarity 31.1%; Pred. No. 23;
Matches 23; Conservative 15; Mismatches 20; Indels 16; Gaps 3;

Qy 4 EDEKEGSEQ-----ALSSRDGAPVQHPALLPSSGY--EEDPQTILDHLSRVLTKTP 54
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 560 EDEEEDGKHHTQDDVVVVSQDVAAGLVRMGILPRICFLEMDPHILEDNLVLSILL-- 617

Qy 55 GCOSPGVGRYSPRS 68
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 618 -----GLARHSPOS 626

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 227847
; LENGTH: 175
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_139392C.1.pap
US-10-425-115-227847

Query Match      20.3%; Score 73; DB 4; Length 175;
Best Local Similarity 29.8%; Pred. No. 2.7;
Matches 21; Conservative 8; Mismatches 28; Indels 14; Gaps 3;

Qy 1 QIREDEKEGSEQALSSRDGA-----PVQHPALLPSSGYEEDPQTIL-----DDHLS 48
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 85 RVNRGDRSSQSPAKOSREGVGLSLDTPQLHDLAVRPSKDESPDAALDFSFHSDHSQ 144

Qy 49 RVLKTPGCOSP 59
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 RLQRCV--CSSP 153

RESULT 15
US-10-425-115-205230
; Sequence 205230, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 205230
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_118759C.1.pap
US-10-425-115-205230

Query Match      20.1%; Score 72.5; DB 4; Length 182;
Best Local Similarity 29.8%; Pred. No. 3.3;
Matches 17; Conservative 10; Mismatches 19; Indels 11; Gaps 1;

Qy 3 REDEKEGSEQALSSRDGAPVQHPALLPSSGYEEDPQTILDHLSRVLTKTPGCOSP 59
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 13 KDDREEPGAAAKEK-----LVPSHQQSPASVVDKSSGVSVPGEDESP 58

Search completed: April 20, 2006, 16:06:43
Job time : 23.971 secs

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Result No.	Score	Query Match	Length	DB	ID	SUMMARIES	
						%	Description
1	113.5	31.5	900	6	US-10-501-035-215		Sequence 215, Appl
2	69.5	19.3	1034	7	US-11-072-512-2343		Sequence 2343, Appl
3	65	18.1	257	7	US-11-096-568A-20103		Sequence 20103, A
4	65	18.1	293	7	US-11-096-568A-20102		Sequence 20102, A
5	65	18.1	300	7	US-11-096-568A-20101		Sequence 20101, A
6	63.5	17.6	208	7	US-11-188-298-6198		Sequence 6198, Appl
7	63.5	17.6	235	7	US-11-188-298-11473		Sequence 11473, A
8	63.5	17.6	306	6	US-10-330-773-901		Sequence 901, Appl
9	62.5	17.4	352	7	US-11-188-298-5344		Sequence 5344, Appl
10	62.5	17.4	352	7	US-11-188-298-6924		Sequence 6924, Appl
11	61.5	17.1	166	7	US-11-188-298-2268		Sequence 2268, Appl
12	61.5	17.1	958	6	US-10-204-639-64		Sequence 64, Appl
13	61	16.9	681	7	US-11-079-463-6507		Sequence 6507, Appl
14	61	16.9	897	7	US-11-072-512-2474		Sequence 2474, Appl
15	60.5	16.8	593	7	US-11-040-488-2		Sequence 2, Appl
16	60	16.7	671	7	US-11-098-686-11072		Sequence 11072, A
17	59.5	16.5	149	7	US-11-188-298-3668		Sequence 3668, Appl
18	59	16.4	334	7	US-11-087-099-11034		Sequence 11034, A
19	59	16.4	765	7	US-11-188-298-17930		Sequence 17930, A
20	58.5	16.2	119	7	US-11-188-298-1960		Sequence 1960, Appl
21	58.5	16.2	184	6	US-10-981-873-60		Sequence 60, Appl
22	58.5	16.2	284	7	US-11-096-568A-11937		Sequence 11937, A
23	58	16.1	219	7	US-11-096-568A-12944		Sequence 12944, A
24	58	16.1	235	7	US-11-096-568A-12943		Sequence 12943, A
25	58	16.1	296	6	US-10-467-657-2944		Sequence 2944, Appl

RESULT 2
US-11-072-512-2343
SEQUENCE 2343, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO

```

; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHARI, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCES: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; PRIOR FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2343
; LENGTH: 1034
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2343

Query Match          19.3%   Score 69.5; DB 7; Length 1034;
Best Local Similarity 28.8%; Pred. No. 4;
Matches 23; Conservative 15; Mismatches 11; Indels 31; Gaps 5;

QY      2    IREDEE--KEGSEQ-----ALSS-----RDGAPVQHPLALLPSGSYEEDPQT 42
        ::::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db       651 LKEEEKLMKESGEKEKPQPLEPTSALSNGCALANHAPALPCINLSAL-----QSV 701

QY      43    LDDHLRV---LKTGCOSP 59
        |::||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db       702 LNNHLKGATEPLRSPSCSSP 721


RESULT 3
US-11-096-568A-20103
; Sequence 20103, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20103
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(257)
; OTHER INFORMATION: Ceres Seq. ID no. 12376900
US-11-096-568A-20103

Query Match          18.1%   Score 65; DB 7; Length 257;
Best Local Similarity 44.2%; Pred. No. 2.4;
Matches 19; Conservative 2; Mismatches 8; Indels 14; Gaps 3;

QY      22    PVQHPLALLPS-----GSYEED-----PQTILDDHLSRLVKTP 54
        |::||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db       12    PGRHP-----PSSVQQNGSYSDRECTPHRIHDHLLDLSILKTP 50


RESULT 4
US-11-096-568A-20102
; Sequence 20102, Application US/11096568A
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Query Match	10.5%	Best Local Similarity	34.5%	Best Local Similarity	20.2%	Best Local Similarity	20.2%
Matches	19:	Conservative	7:	Mismatches	27:	Indels	2:
Gaps	2:						

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; LENGTH: 593
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-040-488-2

Query Match      16.8%; Score 60.5; DB 7; Length 593;
Best Local Similarity 36.4%; Pred. No. 25;
Matches 24; Conservative 6; Mismatches 25; Indels 11; Gaps 4;

QY      4 EDEEKEGSEQALSSRDGAPVQHPL---ALLPGSGYEEDPQTILDDHLSRVLKTGCGQSPG 60
      |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db      148 EDEEEDEDEGL-----GPEGPASLGTTLFPRKA--QPQAFRGDGVPRVL--GGQEREG 199
      |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|

QY      61 VGRYSP 66
      |||
Db      200 PGPAHP 205

Search completed: April 20, 2006, 16:07:53
Job time : 3.82322 secs
```


RESULT 2
US-08-890-865A-4
; Sequence 4, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23.
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 900 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-4

Query Match 59.2%; Score 191; DB 2; Length 900;
Best Local Similarity 66.7%; Pred. No. 3.3e-18;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy 1 LTGLHFKKEQLSKGNRYFYFKKASDEFACGAVFEEIWDDETLPVMEGRIL 51
Db 843 VTLLGQFKELLTKGSRYYFKKVSDEFDCGVVFEVREDEAVLPVFEKII 893

RESULT 3
US-08-890-865A-23
; Sequence 23, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A

; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-23

Query Match 68.8%; Score 190; DB 2; Length 51;
Best Local Similarity 66.7%; Pred. No. 1.4e-19;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy 1 LTGLHFKKEQLSKGNRYFYFKKASDEFACGAVFEEIWDDETLPVMEGRIL 51
Db 1 VTLLGQFKELLTKGSRYYFKKVSDEFDCGVVFEVREDEAVLPVFEKII 51

RESULT 4
US-08-890-865A-1
; Sequence 1, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 992 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-890-865A-1

Query Match 68.8%; Score 190; DB 2; Length 992;
Best Local Similarity 66.7%; Pred. No. 5.1e-18;
Matches 34; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

Qy 1 LTGLHFKKEQLSKGNRYFYFKKASDEFACGAVFEEIWDDETLPVMEGRIL 51

```

RESULT 5
US-08-890-865A-22
; Sequence 22, Application US/08890865A
; Patent No. 6307019
; GENERAL INFORMATION:
; APPLICANT: Constantini, Franklin
; APPLICANT: Zeng, Li
; TITLE OF INVENTION: AXIN GENE AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,865A
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/54249
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)278-0400
; TELEFAX: (212)391-0526
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-890-865A-22

Query Match 39.7%; Score 109.5; DB 2; Length 50;
Best Local Similarity 46.2%; Pred. No. 3.3e-08;
Matches 24; Conservative 10; Mismatches 15; Indels 3; Gaps 2;

QY 1 LTLGHFKQLSKK-GNYRYFYFKKSDFAFCAGVFEIWDDETFLVLPMYGRIL 51
: ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| :
DB 1 VTLRDFKLVLNNQNNYKIFYFKMDADF--GVVKKEIADDTSLPCFNGRVV 50

RESULT 6
US-10-464-939-12
; Sequence 12, Application US/10464939
; Patent No. 6958238
; GENERAL INFORMATION:
; APPLICANT: Sun, Tian-Qiang
; APPLICANT: Williams, Lewis T.
; TITLE OF INVENTION: Isolated dishevelled associated kinases,
; TITLE OF INVENTION: polynucleotides encoding the kinases, and methods of use
; TITLE OF INVENTION: thereof
; FILE REFERENCE: UCSF-133CON
; CURRENT APPLICATION NUMBER: US/10/464,939
; CURRENT FILING DATE: 2003-06-18
; PRIOR APPLICATION NUMBER: 09/661,965
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/158,021
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0

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[illegible]

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; TITLE OF INVENTION: SYNTHASES
; FILE REFERENCE: 07678-025001
; CURRENT APPLICATION NUMBER: US/09/398,395A
; CURRENT FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: 60/100,993
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/130,628
; PRIOR FILING DATE: 1999-04-22
; PRIOR APPLICATION NUMBER: 60/150,262
; PRIOR FILING DATE: 1999-08-23
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 42
; LENGTH: 601
; TYPE: PRT
; ORGANISM: Ricinus communis
US-09-398-395A-42

Query Match      22.1%; Score 61; DB 2; Length 601;
Best Local Similarity 29.2%; Pred. No. 5;
Matches 14; Conservative 12; Mismatches 20; Indels 2; Gaps 2;

QY      2 TLGHFKEQLSKKG-NYRY-YFKKASDEFACGAVFEEIWDDETVPME 47
DB      399 TFSEFEKELTAGKSYSVKYGREAPQELVRGYLYLEAVWRDEGKIPSF 446

RESULT 13
US-09-887-586A-42
; Sequence 42, Application US/09887586A
; Patent No. 6495354
; GENERAL INFORMATION:
; APPLICANT: Chappell, Joseph
; APPLICANT: No. 64953541, Joseph P.
; APPLICANT: Starks, Courtney M.
; APPLICANT: Manna, Kathleen R.
; TITLE OF INVENTION: SYNTHASES
; FILE REFERENCE: 07678-025001
; CURRENT APPLICATION NUMBER: US/09/887,586A
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 09/398,395
; PRIOR FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: 60/130,628
; PRIOR FILING DATE: 1999-04-22
; PRIOR APPLICATION NUMBER: 60/150,262
; PRIOR FILING DATE: 1999-08-23
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 42
; LENGTH: 601
; TYPE: PRT
; ORGANISM: Ricinus communis
US-09-887-586A-42

Query Match      22.1%; Score 61; DB 2; Length 601;
Best Local Similarity 29.2%; Pred. No. 5;
Matches 14; Conservative 12; Mismatches 20; Indels 2; Gaps 2;

QY      2 TLGHFKEQLSKKG-NYRY-YFKKASDEFACGAVFEEIWDDETVPME 47
DB      399 TFSEFEKELTAGKSYSVKYGREAPQELVRGYLYLEAVWRDEGKIPSF 446

RESULT 14
US-09-895-752-42
; Sequence 42, Application US/09895752
; Patent No. 6559297
; GENERAL INFORMATION:
; APPLICANT: Chappell, Joseph
; APPLICANT: No. 65592971, Joseph P.
; APPLICANT: Starks, Courtney M.
; APPLICANT: Manna, Kathleen R.
; TITLE OF INVENTION: SYNTHASES
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; FILE REFERENCE: 07678-025001
; CURRENT APPLICATION NUMBER: US/09/895,752
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 09/398,395
; PRIOR FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: 60/100,993
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/130,628
; PRIOR FILING DATE: 1999-04-22
; PRIOR APPLICATION NUMBER: 60/150,262
; PRIOR FILING DATE: 1999-08-23
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 42
; LENGTH: 601
; TYPE: PRT
; ORGANISM: Ricinus communis
US-09-895-752-42

Query Match      22.1%; Score 61; DB 2; Length 601;
Best Local Similarity 29.2%; Pred. No. 5;
Matches 14; Conservative 12; Mismatches 20; Indels 2; Gaps 2;

QY      2 TLGHFKEQLSKKG-NYRY-YFKKASDEFACGAVFEEIWDDETVPME 47
DB      399 TFSEFEKELTAGKSYSVKYGREAPQELVRGYLYLEAVWRDEGKIPSF 446

RESULT 15
US-09-903-012B-42
; Sequence 42, Application US/09903012B
; Patent No. 6569656
; GENERAL INFORMATION:
; APPLICANT: Chappell, Joseph
; APPLICANT: No. 65696561, Joseph P.
; APPLICANT: Starks, Courtney M.
; APPLICANT: Manna, Kathleen R.
; TITLE OF INVENTION: SYNTHASES
; FILE REFERENCE: 07678-025001
; CURRENT APPLICATION NUMBER: US/09/903,012B
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 60/100,993
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/130,628
; PRIOR FILING DATE: 1999-04-22
; PRIOR APPLICATION NUMBER: 60/150,262
; PRIOR FILING DATE: 1999-08-23
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 42
; LENGTH: 601
; TYPE: PRT
; ORGANISM: Ricinus communis
US-09-903-012B-42

Query Match      22.1%; Score 61; DB 2; Length 601;
Best Local Similarity 29.2%; Pred. No. 5;
Matches 14; Conservative 12; Mismatches 20; Indels 2; Gaps 2;

QY      2 TLGHFKEQLSKKG-NYRY-YFKKASDEFACGAVFEEIWDDETVPME 47
DB      399 TFSEFEKELTAGKSYSVKYGREAPQELVRGYLYLEAVWRDEGKIPSF 446

Search completed: April 20, 2006, 15:32:30
Job time : 4.26121 secs
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GenCore version 5.1.7.
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OM protein - protein search, using sw model

Run on: April 20, 2006, 15:57:53 ; Search time 17.7177 Seconds
(without alignments)
1202.714 Million cell updates/sec

Title: US-09-587-574-5
Perfect score: 276
Sequence: 1 LTLLGHFKQLSKKGNRYYP.....VFEEIWDETVLPMEGRIL 51

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA Main:
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2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pcp:*
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4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pcp:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pcp:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	272	98.6	155	4	US-10-106-698-5828
2	272	98.6	347	4	Sequence 5828, Ap
3	272	98.6	843	5	Sequence 2846, Ap
4	272	98.6	843	5	Sequence 1797, Ap
5	195	70.7	842	3	Sequence 116, App
6	191	69.2	826	4	Sequence 8, Appli
7	191	69.2	862	4	Sequence 36, Appl
8	191	69.2	900	4	Sequence 35, Appl
9	191	69.2	900	4	Sequence 91, Appl
10	191	69.2	900	5	Sequence 670, App
11	191	69.2	900	5	Sequence 670, App
12	191	69.2	900	5	Sequence 670, App
13	191	69.2	912	4	Sequence 270, App
14	111	40.2	211	4	Sequence 2052, Ap
15	111	40.2	437	4	Sequence 3003, App
16	111	40.2	472	4	Sequence 2300, App
17	109.5	39.7	623	4	Sequence 12, Appl
18	109.5	39.7	623	6	Sequence 2028, Ap
19	102	37.0	736	5	Sequence 43, Appl
20	95.5	34.6	595	4	Sequence 18, Appl
21	95.5	34.6	716	5	Sequence 41, Appl
22	95	34.4	198	5	Sequence 465, App
23	95	34.4	670	5	Sequence 42, Appl
24	95	34.4	695	4	Sequence 3, Appli
25	95	34.4	695	4	Sequence 3, Appli
26	90.5	32.8	341	5	Sequence 464, App
27	85	30.8	745	6	Sequence 3015, Ap

28 71.5 25.9 657 5 US-10-732-923-1377 Sequence 1377, Ap
29 69 25.0 150 3 US-09-764-861-40 Sequence 40, Appl
30 69 25.0 150 3 US-09-764-861-40 Sequence 40, Appl
31 69 25.0 150 4 US-10-103-313-406 Sequence 406, Appl
32 69 25.0 150 4 US-10-115-928-40 Sequence 40, Appl
33 61.5 22.3 528 4 US-10-425-115-208133 Sequence 208133,
34 61 22.1 601 3 US-09-895-752-42 Sequence 42, Appl
35 61 22.1 601 3 US-09-887-586A-42 Sequence 42, Appl
36 61 22.1 601 3 US-09-903-012-42 Sequence 42, Appl
37 61 22.1 601 3 US-09-900-797-42 Sequence 42, Appl
38 61 22.1 601 3 US-09-893-820-42 Sequence 393, App
39 61 22.1 1896 4 US-10-296-734-393 Sequence 405, App
40 61 22.1 5747 4 US-10-296-734-405 Sequence 1044, Ap
41 60.5 21.9 367 5 US-10-501-282-1044 Sequence 1, Appli
42 60.5 21.9 1337 3 US-09-803-126-1 Sequence 20438, A
43 59.5 21.6 498 4 US-10-369-493-20438 Sequence 31, Appl
44 59 21.4 504 4 US-10-359-369-31 Sequence 2, Appli
45 59 21.4 511 3 US-09-773-882-2

ALIGNMENTS

RESULT 1

US-10-106-698-5828
; Sequence 5828, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypepti
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 5828
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (12)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (48)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-5828

Query Match 98.6%; Score 272; DB 4; Length 155;

Best Local Similarity 98.0%; Pred. No. 7.5e-29;

Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LTLLGHFKQLSKKGNRYYPFKASDFACCAVFEEIWDETVLPMEGRIL 51

Db 98 LTLLGHFKQLSKKGNRYYPFKASDFACCAVFEEIWDETVLPMEGRIL 148

RESULT 2

US-10-264-049-2846

; Sequence 2846, Application US/10264049

; Publication No. US20040005579A1

[illegible]

; SOFTWARE: PatentIn version

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Query Match      98.6%; Score 272; DB 5; Length 843;  
Best Local Similarity 98.0%; Pred. NO. 5.3e-28;  
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	LTLGHPKEQLSKGNRYFYFKASDFACGVPEEIWDETVLPMYEGRIL	51
		:	
Db	786	LTLGHPKEQLSKGNRYFYFKASDFACGVPEEIWDETVLPMYEGRIL	836

RESULT 4
US-10-751-736-116
 ; Sequence 116, Application US/10751736
 ; Publication No. US20040265230A1
 ; GENERAL INFORMATION:
 APPLICANT: Wyeth

```

Best Local Similarity   66.7%;   Pred. No. 6.7e-17;
Matches    34; Conservative     9; Mismatches    8; Indels      0; Gaps      0;

QY      1  LTLGHFKEQLSKGNRYRYPFKKASDEFACGAVFEIWDDETLPVMEGRIL 51
       :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:||
Db      843 VTLGQPKELLTKGSRYRYPFKKVSDPFDCGVVFEEVREDAVLVPVEEKII 893

RESULT 9
US-10-182-936A-91
; Sequence 91, Application US/10182936A
; Publication No. US20040038860A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Kristina M.
; APPLICANT: Anisowicz, Anthony
; APPLICANT: Bhat, Bheem
; APPLICANT: Damagnez, Veronique
; APPLICANT: Robinson, John
; APPLICANT: Yaworsky, Paul
; TITLE OF INVENTION: Reagents and Method for Modulating DKK-Mediated Interactions
; FILE REFERENCE: 032796-143
; CURRENT APPLICATION NUMBER: US/10/182.936A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: PCT/US02/15982
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 900
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-936A-91

Query Match          69.2%;   Score 191; DB 4; Length 900;
Best Local Similarity 66.7%;   Pred. No. 6.7e-17;
Matches    34; Conservative     9; Mismatches    8; Indels      0; Gaps      0;

QY      1  LTLGHFKEQLSKGNRYRYPFKKASDEFACGAVFEIWDDETLPVMEGRIL 51
       :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:||
Db      843 VTLGQPKELLTKGSRYRYPFKKVSDPFDCGVVFEEVREDAVLVPVEEKII 893

RESULT 10
US-10-477-238A-670
; Sequence 670, Application US/10477238A
; Publication No. US20040221326A1
; GENERAL INFORMATION:
; APPLICANT: Babij, Philip
; APPLICANT: Jaworsky, Paul
; APPLICANT: Bex, Frederick J. III
; APPLICANT: Bodine, Peter Van Nest
; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
; FILE REFERENCE: 032796-212
; CURRENT APPLICATION NUMBER: US/10/477.238A
; CURRENT FILING DATE: 2003-11-10
; PRIOR APPLICATION NUMBER: US 60/290,071
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/291,311
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/353,058
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: US 60/361,293
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 812
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 670
; LENGTH: 900

```



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RESULT 15
US-10-094-749-2273
; Sequence 2273, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAOBU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2273
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2273

Query Match      .      40.2%; Score 111; DB 4; Length 437;
Best Local Similarity 43.1%; Pred.No. 2.5e-06;
Matches 22; Conservative 12; Mismatches 15; Indels 2;

QY      1    LTLGHFFEQLSKKGNRYFYFKASDEFACGAVFBEIWDDETVLPMYEGRIL 51
          :||| |::: |||::: |||::: |||::: |||::: |||::: |||:::
Db      379 VTLKFDFKAIDREGNHRHFALDPEF--GTVKEIFHDDDAIPCWEGKIV 427

Search completed: April 20, 2006, 16:06:44
Job time : 18.7177 secs

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; SEQ ID NO 888
; LENGTH: 748
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-888

Query Match 34.6%; Score 95.5; DB 6; Length 748;
Best Local Similarity 41.3%; Pred. No. 0.00011;
Matches 21; Conservative 11; Mismatches 16; Indels 3; Gaps 2;
QY 1 LTGHPKEQLSKGNRYRYFKKASDEFACGAVFEEIWDDETLPMPYEGRIL 51
DB 60 VTLDKFGVL-QRPSYKFFFKSMDQDF--GVVKEEIFDDNAKLPFCFNGRVV 107

RESULT 3

US-10-485-788A-497
; Sequence 497, Application US/10485788A
; Publication No. US20050282743A1

; GENERAL INFORMATION:
; APPLICANT: Lu, Peter S.
; APPLICANT: Rabinowitz, Joshua D.
; APPLICANT: Schweizer, Johannes
; APPLICANT: Carrick, Deanna Marie
; APPLICANT: Arbor Vita Corporation
; TITLE OF INVENTION: Molecular Interactions in Cells
; FILE REFERENCE: 20054-003320US
; CURRENT APPLICATION NUMBER: US/10/485,788A
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,841
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/360,061
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: WO PCT/US02/24655
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 841

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 497
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Artificial

; FEATURE:
; OTHER INFORMATION: Dishevelled 1 (DVL1) Construct (N) aa 1 - aa 197
US-10-485-788A-497

Query Match 34.4%; Score 95; DB 6; Length 198;
Best Local Similarity 39.6%; Pred. No. 2.8e-05;
Matches 21; Conservative 10; Mismatches 18; Indels 4; Gaps 2;

QY 1 LTGHPKEQLSKK--GNRYRYFKKASDEFACGAVFEEIWDDETLPMPYEGRIL 51
DB 28 VTLDKFNVLNRPVHAYKFFFKSMDQDF--GVVKEEIFDDNAKLPFCFNGRVV 78

RESULT 4

US-10-485-788A-496
; Sequence 496, Application US/10485788A
; Publication No. US20050282743A1

; GENERAL INFORMATION:
; APPLICANT: Lu, Peter S.
; APPLICANT: Rabinowitz, Joshua D.
; APPLICANT: Schweizer, Johannes
; APPLICANT: Carrick, Deanna Marie
; APPLICANT: Arbor Vita Corporation
; TITLE OF INVENTION: Molecular Interactions in Cells
; FILE REFERENCE: 20054-003320US
; CURRENT APPLICATION NUMBER: US/10/485,788A
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,841
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/360,061
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: WO PCT/US02/24655

; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 496
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Artificial

; FEATURE:
; OTHER INFORMATION: Dishevelled 1 (DVL1) Construct (N-P) aa 1 - aa 341
US-10-485-788A-496

Query Match 32.8%; Score 90.5; DB 6; Length 341;
Best Local Similarity 41.2%; Pred. No. 0.00021;
Matches 21; Conservative 9; Mismatches 20; Indels 1; Gaps 1;

QY 1 LTGHPKEQLSKGNRYRYFKKASDEFACGAVFEEIWDDETLPMPYEGRIL 51
DB 28 VTLDKFNVLNRPVHAYKFFFKSMDQ--DFGVVKEEIFDDNAKLPFCFNGRVV 77

RESULT 5

US-11-096-568A-5817
; Sequence 5817, Application US/11096568A
; Publication No. US20060048240A1

; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptide
; TITLE OF INVENTION: Therby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 5817
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Glycine max

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(240)
; OTHER INFORMATION: Ceres Seq. ID no. 14311913
US-11-096-568A-5817

Query Match 20.8%; Score 57.5; DB 7; Length 240;
Best Local Similarity 28.0%; Pred. No. 3.8;
Matches 14; Conservative 9; Mismatches 20; Indels 7; Gaps 1;

QY 1 LTGHPKEQLSKGNRYRYF-----KKASDEFACGAVFEEIWDDETVL 43
DB 1 MALDHEETVHQGNKWSSEIIADSDRNASGDFDCNICLECVQDPVWTL 50

RESULT 6

US-11-087-099-6318
; Sequence 6318, Application US/11087099
; Publication No. US20060041961A1

; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 6318
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Oryza sativa

; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(205)
; OTHER INFORMATION: unsure at all Xaa locations
US-11-087-099-6318

Query Match 20.1%; Score 55.5; DB 7; Length 205;

```
; Best Local Similarity 34.3%; Pred. No. 5.9;
Matches 12; Conservative 8; Mismatches 12; Indels 3; Gaps 1;

QY 8 EQLSKGNRYRYFKKASDEFACGAVFEEIWDETV 42
:|||||
:|||||
Db 51 KQTKGNLRYYPYNINWY---GLFPQTWEDPTL 82
:|||||

RESULT 7
US-11-087-099-589
; Sequence 589, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 589
; LENGTH: 315
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(315)
; OTHER INFORMATION: unsure at all Xaa locations
US-11-087-099-589

Query Match 20.1%; Score 55.5; DB 7; Length 315;
Best Local Similarity 34.3%; Pred. No. 9.7;
Matches 12; Conservative 8; Mismatches 12; Indels 3; Gaps 1;

QY 8 EQLSKGNRYRYFKKASDEFACGAVFEEIWDETV 42
:|||||
:|||||
Db 146 KQTKGNLRYYPYNINWY---GLFPQTWEDPTL 177
:|||||

RESULT 8
US-11-126-313-35
; Sequence 35, Application US/11126313
; Publication No. US20050288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joel
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 35
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-126-313-35

Query Match 19.9%; Score 55; DB 7; Length 430;
Best Local Similarity 40.0%; Pred. No. 16;
Matches 10; Conservative 5; Mismatches 5; Indels 4; Gaps 1;

QY 17 RYFVKASDEFAC----GAVFEEIW 37
:|||||
:|||||
Db 232 RYFSAFNRFDCVIAGSIFEVW 256
:|||||

RESULT 9
US-11-126-313-36
; Sequence 36, Application US/11126313
; Publication No. US20050288489A1
; GENERAL INFORMATION:
; APPLICANT: Hirsch, Joel
; TITLE OF INVENTION: VOLTAGE-DEPENDENT CALCIUM CHANNEL BETA SUBUNIT FUNCTIONAL CORE
; FILE REFERENCE: P-6758-US
```

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; CURRENT APPLICATION NUMBER: US/11/126,313
; CURRENT FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-126-313-36

Query Match 19.9%; Score 55; DB 7; Length 430;
Best Local Similarity 40.0%; Pred. No. 16;
Matches 10; Conservative 5; Mismatches 5; Indels 4; Gaps 1;

QY 17 RYFVKASDEFAC----GAVFEEIW 37
:|||||
:|||||
Db 232 RYFSAFNRFDCVIAGSIFEVW 256
:|||||

RESULT 10
US-11-079-463-5607
; Sequence 5607, Application US/11079463
; Publication No. US20060073161A1
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO BACTEROIDES
; FILE REFERENCE: PATH00-03DIV2
; CURRENT APPLICATION NUMBER: US/11/079,463
; CURRENT FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/128,705
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: US 09/540,209
; PRIOR FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 10444
; SEQ ID NO 5607
; LENGTH: 183
; TYPE: PRT
; ORGANISM: B.fragilis
US-11-079-463-5607

Query Match 19.6%; Score 54; DB 7; Length 183;
Best Local Similarity 41.7%; Pred. No. 8.3;
Matches 10; Conservative 5; Mismatches 9; Indels 0; Gaps 0;

QY 25 DEFACGAVFEEIWDETVLPMYEG 48
:|||||
:|||||
Db 68 EEFGCIVVIENVFQKQVLPQEG 91
:|||||

RESULT 11
US-11-087-099-8397
; Sequence 8397, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 8397
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Chlamydomonas reinhardtii
US-11-087-099-8397

Query Match 19.6%; Score 54; DB 7; Length 612;
Best Local Similarity 22.7%; Pred. No. 33;
Matches 10; Conservative 12; Mismatches 22; Indels 0; Gaps 0;

QY 7 KEQLSKGNRYRYFKKASDEFACGAVFEEIWDETVLPMYEGRI 50
:|||||
:|||||
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Db      374  RSLDKRHTDKREFLYTRDQLECCATHDELWNAQAQLWVHVGRM 417

RESULT 12
US-10-995-561-851
; Sequence 851, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 851
; LENGTH: 1178
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-851

Query Match          19.6%; Score 54; DB 6; Length 1178;
Best Local Similarity 30.8%; Pred.No. 70;
Matches 12; Conservative 8; Mismatches 17; Indels 2; Gaps 1;

QY      1  LTLGHFKEQLSKGNRYRYFKKASDEFACGAVFEEIWDD 39
      : : : : : : : : : : : : : : : : : : : : : :
DB      852  VSFQSKLIRVENFAYFKKQADSNCG--FAEYED 888

RESULT 13
US-11-096-568A-27907
; Sequence 27907, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Therby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 27907
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(594)
; OTHER INFORMATION: Ceres Seq. ID no. 2133278
US-11-096-568A-27907

Query Match          19.4%; Score 53.5; DB 7; Length 594;
Best Local Similarity 34.8%; Pred.No. 37;
Matches 16; Conservative 5; Mismatches 14; Indels 11; Gaps 1;

QY      6  FKEQLSKGNRYRYFKKASDEFACGAVFEEIWDDDETLPMPYEGRIL 51
      | : | : | : | : | : | : | : | : | : | : | : |
DB      373  FLEKLKKKGIEVLVMDAIDEYATGQLKE-----PEGKKL 407

RESULT 14
US-11-096-568A-27906
; Sequence 27906, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Therby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A

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